

Fisher Science Education 2020

Preparing today's students to be the innovators of tomorrow isn't always easy, but finding the right teaching tools can be. From basic lab supplies to state-of-the-art classroom technology, the Fisher Science Education team has everything you need to create a 21st century STEM learning environment. Visit fisheredu.com to get started.

Looking for STEM support?

Find what you need in our STEM and Career Education section starting on [page 4](#) or visit fisheredu.com/STEM for additional resources.

Need help managing your chemistry classroom?

We offer a full line of educational chemicals and laboratory resources, including our free cloud-based inventory management app, ChemAssist. See [page 170](#) or visit fisheredu.com/chemicals to learn more.

Have a career training program?

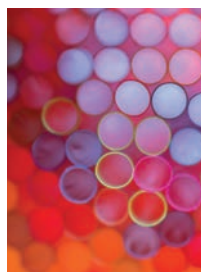
Whether you're starting a new program or adding to an established one, we have the products you need to train tomorrow's professionals. Browse the STEM and Career Education section on [page 4](#) or visit fisheredu.com/ctenursing for details.

Want to customize aspects of your curriculum?

Explore custom kits to meet the unique demands of your classroom. Visit fisheredu.com/customkitting to learn more.

Concerned about shipping and handling fees?

We offer \$12 flat-rate shipping on most orders and our hazardous material fee is just \$15 — the lowest in the country.



On the cover: Straws

Single-use plastic straws take up to 200 years to break down, but don't ever fully degrade. They often end up in our oceans and ultimately release harmful chemicals into the environment. Visit fisheredu.com/headlinediscoveries to read more.

Connect with us on social media to catch up on the latest science news and interact with educators across the country.



fisheredu.com/facebook



twitter.com/fishersciedu



pinterest.com/fishersciedu

We are committed to offering quality products and exceptional value. Many of the most prestigious, well-known, and respected suppliers on the market have partnered with us to bring you the best in science education resources. Visit fisheredu.com/featuredsuppliers to learn more about the following suppliers and their products.



TABLE OF CONTENTS

We've updated our categories for your convenience. Please use the table of contents below to find the items you need. And you can always shop our full catalog at fisheredu.com where you can explore 27,000 products, plus services, and more.

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Look for These Icons to Help Guide Your Buying Decisions



Denotes the new products we've added to the catalog.



Denotes items that must be shipped by truck for regulatory reasons — no air delivery.



Highlights furniture that meets the Americans with Disabilities Act.



Indicates goggles that protect against accidental splashes of hazardous chemicals or potentially infectious materials.

Guarantee

The Fisher Science Education team is committed to providing the highest quality products and services. If you're not 100% satisfied with your purchase, contact our customer service team within 30 days of your invoice date and we'll either exchange, repair, or replace the product, or give you a credit for the full purchase price. Call us toll-free for a return authorization number.

Special order items, furniture, and closeouts cannot be exchanged or credited.

Your Satisfaction Is Our Goal

The Fisher Science Education team is full of helpful, knowledgeable people dedicated to serving you.

Phone: 1-800-955-1177 • 7 a.m. to 5:30 p.m.

Central Time, Monday through Friday

Fax: 1-800-955-0740 • 24 hours a day, 7 days a week

Email: fse.custserv@thermofisher.com

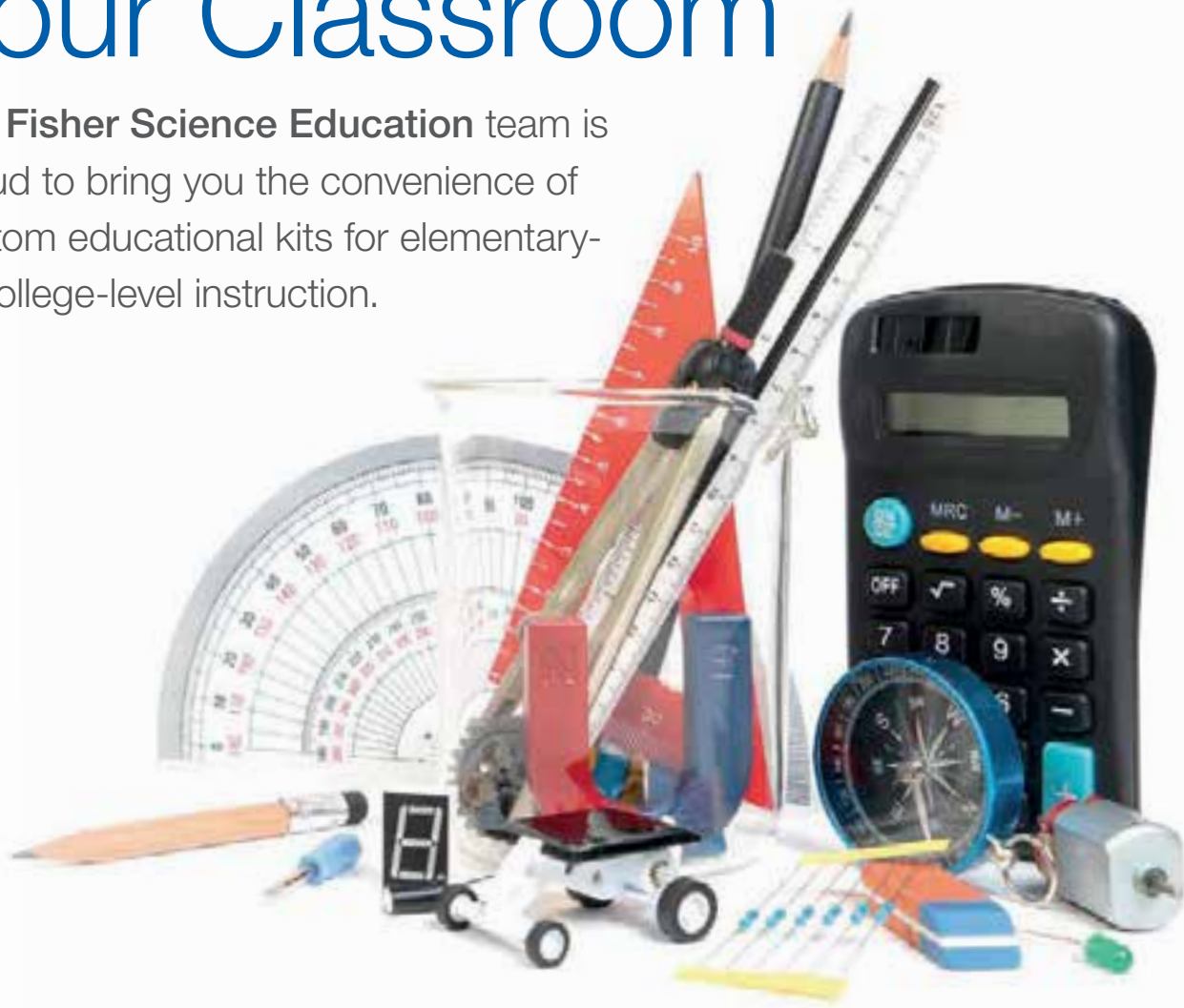
Website: fisheredu.com

Address: Fisher Science Education
4500 Turnberry Drive
Hanover Park, IL 60133

For international orders, see **page 480**. All prices are subject to change.

Custom-Built Kits for Your Classroom

The **Fisher Science Education** team is proud to bring you the convenience of custom educational kits for elementary- to college-level instruction.



- 1 Outline the Project
- 2 Review Your Curriculum
- 3 Develop a Plan
- 4 Align on Production
- 5 Place Your Order
- 6 Await Delivery

Visit fisheredu.com/customkitting to learn more.



Trust | Deliver | Learn

Your source for reliable and innovative science education products.

fisheredu.com/eisco



Launch Your School's Biotech Program

Find the curriculum, products, and support you need for every step of your journey.

Visit fishersci.com/biotechresources to learn more.

 **fisher science**
education
part of Thermo Fisher Scientific

STEM and Career Education

Visit fisheredu.com/stem to view our full offering of products.

STEM (Science, Technology, Engineering, and Math) is an interdisciplinary approach to teaching that encourages problem-solving skills and emphasizes the application of knowledge to real-world situations. This initiative aims to make the U.S. globally competitive by increasing the number of students who enter and succeed in STEM-related fields.

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3B SCIENTIFIC



Realistic, High-Quality Simulators and Models

Advance healthcare education with 3B Scientific™ medical simulators for scenario-based training and anatomical models cast from actual specimens.

S96636 \$992.00

fisheredu.com/3B



NEW Featured Products



Designed for All Ages

Avoid wires while teaching students about electrical connections.

Description	Cat. No.	Price
Brown Dog Gadgets™ Paper Circuits, Standard Kit	S30214	\$25.00
Brown Dog Gadgets Paper Circuits, Classroom Kit	S30215	\$100.00
Brown Dog Gadgets Maker Tape, 20m	S30219	\$10.00



A Variety of Options

Explore electrical circuits with conductive and insulative dough.

Description	Cat. No.	Price
Squishy Circuits™ Conductivity Kit, Lite	S29666	\$15.00
Squishy Circuits Conductivity Kit, Standard	S29667	\$35.00
Squishy Circuits Conductivity Kit, Deluxe	S29668	\$75.00
Squishy Circuits Conductivity Kit, Group	S29669	\$275.00
Squishy Circuits Conductivity Kit, Dough	S29670	\$20.00



Introduce Electronics and Programming

Create your own projects with LEDs, buzzers, clocks, and more.

Description	Cat. No.	Price
DduinoKit™ Essentials and Accessory Pack	S72779	\$312.00
Dduinokit Jr.	S72780	\$166.00



Investigative Learning

Learn about different areas of forensics with various methods and experiments.

Description	Cat. No.	Price
Kemtec™ Dustless Fingerprints	S30807	\$117.00
Kemtec Ballistics, Sacco and Vanzetti	S30808	\$720.00
Kemtec Ballistics, Materials Expansion	S30809	\$687.00



Prepare for Real Emergencies

Teach students the importance of CPR and proper training.

Description	Cat. No.	Price
3B Scientific™ CPRLilly PRO+ without Tablet	S30514	\$2125.00

STEM Lab and Makerspace

Robotics and Engineering

Eisco Sense Programming System

Allows users to explore, solve problems and advance computer programming abilities.

- Allows expanding by over 45 different NeuLog sensors to create solutions and codes
- Students program Sense via RobloclkySense programming platform



Cat. No.	Description	Price
S24399	Sense Programming System	86.00/Ea

Vernier™ mBot™ Robots and STEM Activities Modules

Vernier™ mBot and STEM Activities Module provides students with a fun and tactile way to learn entry-level coding with simple scratch-based software.



- Easy assembly, no soldering - mBot assembles in 10–15 minutes and has color-labeled RJ25 ports for convenient wiring.
- Drag-and-drop graphical programming - mBlock app (IOS/Android) and software (Windows/OS/Chrome) are based on the popular Scratch software and provide a quick way to learn to code. As students advance, they can program mBot using the Arduino™ IDE.
- Programmed for fun - mBot comes programmed with three preset control modes: obstacle-avoidance, line-following, and manual control to make implementing projects even easier.
- Wirelessly connected - mBot uses Bluetooth™ wireless technology to automatically connect to mobile devices.
- Endless creations - mBot is compatible with the vast catalog of Makeblock platform components and most LEGO™ pieces, so students are limited only by their imaginations.
- Includes:
 - STEM Activities Module: *Coding with mBot: Self-Driving Vehicles*
 - mBlock Software (free download)
 - IR remote



mBot (Pink) or mBot (Blue)

- Choose pink or blue robot kit.

mBot Interactive Light and Sound Add-on Pack

- With the Interactive Light and Sound Add-on Pack, students can program mBot to respond to changes in light and sound.
- Using the included light sensor, RGB LED, and sound sensor, students can build a Light Chasing Robot, Scorpion Robot, and Intelligent Desk Light.

mBot 6-Legged Robot Add-on Pack

- The Six-Legged Robot Add-on Pack includes various beams that attach to mBot's wheels to modify its movement.
- Students can program mBot to mimic the movement of a Beetle, Mantis, and Crazy Frog.

Me 7-Segment Serial Display

- 4 digit red alpha-numeric display with one decimal point per digit
- Adjustable LED brightness makes display visible even in daylight
- Compatible with Makeblock™ beams (16mm interval M4 mounting holes)
- 2.54mm breakout pins for connecting with jumper wires
- Connects to mBot via simple RJ25 cable
- Easily programmed through mBlock™ or Arduino™ IDE software

Cat. No.	Description	Price
S29803	Bot (Pink)	123.00/Ea
S39804	mBot (Blue)	100.00/Ea
S29806	Light and Sound Add-on Pack	26.75/Ea
S29808	Six-Legged Robot Add-on Pack	26.75/Ea
S29809	Me 7-Segment Serial Display	13.00/Ea

Vernier mBot™ Ranger by Makeblock®



mBot Ranger is a three-in-one STEM educational robot kit that supports three building forms. mBot™ Ranger robot takes coding and robotics to new territories with three preset building forms—Off-Road Land Raider, Dashing Raptor, and Self-Balancing Nervous Bird—that students can use for their own designs. Using the included sensors, students can also program their robots to perform advanced functions, including obstacle avoidance, line following, balancing, and more. mBot Ranger requires more construction and programming skills than mBot, but it offers a wider range of possibilities for student-generated projects.



Each mBot Ranger features the following:

- Equipped with a Me Auriga mainboard
- Built-in temperature sensor, gyroscope, light level sensor, and sound level sensor
- Connects to peripheral Ultrasonic Sensor, Line-Follower Sensor
- Compatible with and Makeblock platforms and LEGO® blocks

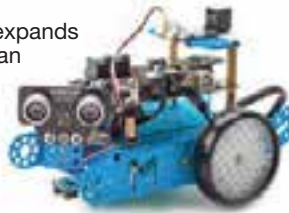
Cat. No.	Description	Price
S40801	mBot Ranger by Makeblock	153.00/Ea

Vernier™ mBot™ Servo Pack Add-on Pack



Vernier™ mBot™ Servo Pack Add-on Pack is a 3-in-1 pack that expands the types of projects students can create with mBot.

- The 3-in-1 Servo Add-on Pack expands the types of projects students can create with mBot.
- Included in the pack is a servo motor, RGB LED, additional hardware, and instructions for repositioning mBot's ultrasonic sensor to create a Dancing Cat, Head-Shaking Cat, and Light-Emitting Cat.



Cat. No.	Description	Price
S39807	mBot Servo Pack Add-on Pack	26.75/Ea

Vernier™ Me LED Matrix

Vernier™ Me LED Matrix can be programmed to create expressions, scrolling captions, and other customized animation.

- 8 × 16 dot matrix is loaded with 128 blue LEDs for a clear and bright display.
- The translucent acrylic composition enhances the visibility of animations.
- Matrix is easily programmed with mBlock, a graphical program environment based on Scratch.

Cat. No.	Description	Price
S39810	Me LED Matrix	13.75/Ea

fischertechnik™ Education Robotics Mini Bots Set

Make it easy for kids to discover the evolving world of robotic technology. fischertechnik™ Education Robotics: Mini Bots Set makes STEM concepts accessible to students.

- Ideal introduction to mobile robotics
- Comes with pre-programmed module--no coding required
- Build a line follower, an obstacle detector, and more!



WARRANTY:

2 years from date of purchase

Cat. No.	Description	Price
S35687	Robotics Mini Bots Set	144.00/Ea

IQ KEY Perfect 600 Robotic STEM Kit

For students to learn about engineering and its applications.

Stimulates right brain creativity by encouraging students to design and build machines of their own.

- With plans to build twenty different machines
- Identify different simple machines working together to transfer and transform energy
- Used to teach with Common Core, National Next Generation Science Standards, also encourages STEM education
- Requires 2 × AA batteries, not included
- Includes teacher's guide



CERTIFICATIONS:

CE

Cat. No.	Description	Price
S13168	IQ KEY Perfect 600 Robotic Stem Kit	84.75/Ea



Eisco Basic Circuits Kit

An inventive way to teach series-parallel circuits.

- Contains everything required to study series-parallel circuits and batteries
- Battery holders, knife switches and lamp holders feature clip or screw contacts for easy assembly and disassembly



INCLUDES:

Single-pole, single-throw switch; five miniature lamps; two lamp sockets; two D batteries and battery holders; 10 ft. (3m) of wire

Cat. No.	Description	Price
S63323A	Basic Circuits Kit; With Instructions	26.75/Ea

Snap Circuits Sets

Create exciting experiments.

Enjoy hours of educational fun while building projects such as AM radios, burglar alarms, flashlights, doorbells and electronic games.

Project components feature easy-snap assembly with no tools required.

- Snap Circuits offers more than 300 project options; requires four AA batteries (not included)
- Snap Circuits Jr. offers over 100 project options; requires two AA batteries (not included)



INCLUDES:

Instruction manuals

Cat. No.	Description	Price
S66934	Snap Circuits™ 300 Experiment	95.00/Ea
S66934A	Snap Circuits™ Jr.™ 100 Experiment	48.75/Ea

Elementary Snap Circuits Kit

Great introduction to the world of electricity and electronics.

- More than 30 parts easily snap together
- Build over 100 experiments without any additional tools
- Full-color manual includes information about resistors, capacitors, transistors, motors, batteries, series/parallel circuits and more
- Teaching (S68213TG) guide helps integrate more advanced topics in electronics



INCLUDES:

Storage case

REQUIRES:

Two AA batteries (S43921)

Cat. No.	Description	Price
S68214	Circuits Elementary	68.00/Ea

Intermediate Snap Circuits Kit

Puts the excitement into electricity and electronics.

More than 60 modular parts to build over 300 experiments.

- Full-color manual relates information about resistors, capacitors, transistors, motors, various types of circuits and more
- Parts are stored in a lightweight, durable case with custom foam inserts

ORDERING INFORMATION:

Teaching guides (S68213TG) help integrate more advanced topics in electronics.

Optional computer interface takes learning to the next level with an additional 73 experiments.



REQUIRES:

Four AA batteries (S43921)

Cat. No.	Description	Price
S68213	Snap Circuits Educational Series 300	147.00/Ea

United Scientific™ Create-a-Circuit

Handy kit makes it easy to create a circuit.

Build your own series or parallel circuit using this kit. It comes complete with one battery holder (D size battery not included), one knife switch, two miniature light bulbs, two lamp holders, and four alligator clip connecting cords. Includes activity guide.



Cat. No.	Description	Price
S05820	Create-a-Circuit Kit	21.50/Ea

Eisco Series and Parallel Circuit Demonstration Board

Helps student to distinguish between series and parallel circuits.

- Helps student come up with conceptual and mathematical understanding of how voltage, current, and resistance behave in series or parallel circuit
- Depending on the configuration, luminosity of lightbulbs vary to show how parallel and series circuits differ
- Connects to power source (such as battery) using spade terminal connections (battery and connectors not included)



INCLUDES:

Sturdy base, (5) 1.5V lightbulbs, 8 detachable metal bars, 10 thumb screws, Instructions

Cat. No.	Description	Price
S13003	Series and Parallel Circuit Demonstration Board	62.75/Ea

Eisco Build-A-DC Motor Kit

Classic activity used to teach crucial scientific and physics concepts.

This kit contains everything needed to build a working DC motor and learn its parts from the inside out. Classic activity used for many years to teach crucial scientific and physics concepts. Wind your own armature and field coil; build the commutator with two snap together pieces.

Kit includes:

- Copper wire coils (2)
- Plastic base
- Field poles
- Armature core
- Brushes and fasteners



Cat. No.	Description	Price
S13013	Build A DC Motor Kit	9.75/Ea

STEAM Accelerator Sets

Explore physical models of structures and explore concepts in disciplines including biology, chemistry, math, physics, engineering and more. Lux Blox STEAM Accelerator brings STEAM concepts to life.



- Unlimited opportunities for creativity and imagination
- Excellent manipulatives for younger students
- All sets include laminated starter guide and extensive teacher's primer
- Durable plastic storage unit
- Made in USA



Introductory Set, Bright Color Palette (S72524)

- 300 Lux Squares - 100 each of Neon Green, Neon Pink and Purple
- 100 Lux Trigons in White
- 10 Large Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 10 Small Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 10 Large Lux Axles
- 10 Medium Lux Axles
- 10 Small Lux Axles
- 10 Giant 7 in. Rubber Bands

- 20 Large Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 20 Small Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 20 Large Lux Axles
- 20 Medium Lux Axles
- 20 Small Lux Axles
- 20 Giant 7 in. Rubber Bands

- 40 Large Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 40 Small Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 40 Large Lux Axles
- 40 Medium Lux Axles
- 40 Small Lux Axles
- 40 Giant 7 in. Rubber Bands

Introductory Set, Primary Color Palette (S72523)

- 300 Lux Squares - 100 each of Red, Royal Blue and Yellow
- 100 Lux Trigons in White
- 10 Large Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 10 Small Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 10 Large Lux Axles
- 10 Medium Lux Axles
- 10 Small Lux Axles
- 10 Giant 7 in. Rubber Bands

Small Group Set, Neutral Color Palette (S72521)

- 400 Lux Squares - 100 each of Black, Gray, Olive and White
- 200 Lux Trigons - 100 each of Black and White
- 20 Large Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 20 Small Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 20 Large Lux Axles
- 20 Medium Lux Axles
- 20 Small Lux Axles
- 20 Giant 7 in. Rubber Bands

Deluxe Classroom Set, Neutral Color Palette (S72519)

- 800 Lux Squares - 200 each of Black, Gray, Olive and White
- 300 Lux Trigons - 100 each of Black, Olive and White
- 40 Large Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 40 Small Lux Multi-Wheels, Which Also Function as Gears and Pulleys
- 40 Large Lux Axles
- 40 Medium Lux Axles
- 40 Small Lux Axles
- 40 Giant 7 in. Rubber Bands

Small Group Set, Bright Color Palette (S72522)

- 400 Lux Squares - 100 each of Neon Green, Neon Orange, Neon Pink and Purple
- 200 Lux Trigons - 100 each of Black and White

Deluxe Classroom Set, Bright Color Palette (S72520)

- 800 Lux Squares - 100 each of Neon Green, Neon Orange, Neon Pink, Purple, Red, Royal Blue, Teal Blue, and Yellow
- 300 Lux Trigons - 100 each of Black, Olive and White

Cat. No.	Description	Price
S72524	Intro Set, Bright Color	176.00/Ea
S72523	Intro Set, Primary Color	176.00/Ea
S72522	Small Group Set, Bright Color	228.00/Ea
S72521	Small Group Set, Neutral Color	228.00/Ea
S72520	Deluxe Set, Bright Color	332.00/Ea
S72519	Deluxe Set, Neutral Color	332.00/Ea

K'NEX Education™ Introduction to Simple Machines Building Sets

Bring STEM concepts to life as your students build fully functioning replicas of real-world machines, one at a time.

- Each set includes instructions to build seven or more replicas of real-world machines, one model at a time
- Sets include K'NEX™ parts, building instructions, key facts and photos of actual machines
- Packs of four
- Grades 3 to 5

Key Concepts Include:

- Making Work Easier
- $W=Fd$ (Work equals force times distance)
- Changing the Direction of Force
- Ideal Mechanical Advantage
- Actual Mechanical Advantage
- Wedge Screw
- Gear Ratios
- Mechanical Systems
- Gear Types
- Lever Classes
- Pulley Systems

Gears Set Includes:

- 198 K'NEX pieces per set
- Building instructions for seven replicas of real-world machines
- Demonstrates gear configurations, including spur and crown gears, mechanical advantage, gear ratios, how gears are used to change the amount of applied force to an object and more

Levers and Pulleys Set Includes:

- 178 K'NEX pieces per set
- Building instructions for eight replicas of real-world machines
- Demonstrates lever classes and pulley systems, showing how and why simple machines make work easier



Wheels/Axles and Inclined Planes Set Includes:

- 221 K'NEX pieces per set
- Building instructions for seven replicas of real-world machines
- Explore examples of wheels and axles and identify the differences between an inclined plane, wedge and screw

Cat. No.	Description	Price
S67347	Gears 7-Model Set	43.25/Ea
S67348	Levers and Pulleys 8-Model Set	43.25/Ea
S67349	Wheel and Axle 7 Model Set	43.25/Ea

Bridge Building Class Pack

Challenge students' mathematical skills with this analytical exercise in creativity.

- Supports a wide variety of curricula including geometry, physics, technology, mathematics and general science
- Build the strongest bridge with the smallest amount of materials
- Bridge efficiency is judged as the ratio of the weight held by the bridge to the weight of the bridge

ORDERING INFORMATION:

- Select 360 pieces of either 0.13 × 0.13 × 24 in. (0.31 × 0.31 × 60cm) balsa wood or 0.14 × 0.14 × 24 in. (0.34 × 0.34 × 60cm) basswood
- Class size: 24 students

INCLUDES:

All materials required:

- Wood
- Adhesive
- Competition design parameters
- Booklet: "Teaching with Model Bridge Building Programs"



Cat. No.	Description	Price
S41893B*	Balsa Bridge Building Kit	121.00/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

fischertechnik™ Education Introduction to STEM I Kit

Provides an ideal pathway for introducing students to everyday technology and to enable them to understand how the things around them actually work. fischertechnik™ Education Introduction to STEM I Kit helps students to construct 12 easy-to-understand models such as hand dryer, windshield wipers, lighthouse with blinking light, merry-go-round, or an automatic sliding door.

- Hands-on, standards focused STEM solution for grades 2,3, and 4
- Introduce students to world of STEM with examples from everyday technology
- Complete with downloadable curriculum, including worksheets, teachers answer sheets, rubrics, and more

Constructing explanations,
Designing solutions

WARRANTY:
2 years from date
of purchase



Explore essential STEM concepts, including:

Simple machines, Electrical fundamentals, Introduction to Ohms Law, Motor fundamentals, Introduction to coding (programming), Matter and weight, Cause and effect, Systems and system models, Developing and using models, Structure and function, Stability and change, Energy and motion, How is energy transferred? Analyzing and interpreting data,

Cat. No.	Description	Price
S35676	Introduction to STEM I Kit	100.00/Ea

Biomaterials To Make Your Own Contact Lenses

Engineers play an integral role in finding a ratio of materials to maximize the desired properties and decrease the negative effects of other properties. Students will engineer a lens using 2 different materials



- Determine the correct material and the concentration that has similar properties as a contact lens, while discovering the correct optical properties, tensile strength and hydrophobicity.
- A hydrogel is a polymer like plastic, which has favorable optical properties and favorable flexibility/strength but like paper and glasses/ceramics is hydrophilic, which is necessary for a contact lens to function properly.
- Aligned to the Next Generation Science Standards™ (NGSS)
- Disciplinary Core Ideas: ETS1.A; ETS1.B; ETS1.C; PS1.A
- Performance Expectations: MS-ETS1-1; MS- ETS1-3; MS- ETS1-4; HS-PS1-3; HS-ETS1-2
- Cross Cutting Concepts: Influence of Science, Engineering and Technology on Society and the Natural World; Patterns
- Engineering Practices: Asking Questions and Defining Problems; Analyzing and
- Interpreting Data; Constructing Explanations and Designing Solutions; Planning and Carrying Out Investigations



DISCLAIMERS:

Next Generation Science Standards is a registered trademark of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards was involved in the production of, and does not endorse, this product.

Cat. No.	Description	Price
S40765	Make Your Own Contact Lenses Kit	53.75/Ea

E3 Education 3D Printer with WiFi

Robo E3 education-focused smart 3D printer with Wi-Fi lets users tackle any project right from a Google Chromebook™ or iPad™ using RoboCloud cloud 3D printing service.

Every Robo E3 comes with an extended 2 year warranty, spare parts pack, 2 hours of online training, and a starter plan to MyStemKits K-12 curriculum

- Print size - 5 × 5 × 6 in / 127 × 127 × 152.4mm, Size (W × H × D) 13 × 18.25 × 12.75 in. / 330.2 × 463.55 × 323.85mm
- Layer resolution 20–300 microns
- Print speed Up to 16mm³/s
- Travel speed Up to 250mm/s
- Nozzle diameter- 0.4mm nozzle
- Nozzle temp Up to 290°C
- Weight - 20.8 lbs.
- Print head Quick change nozzle
- Print technology - Fused filament fabrication
- XYZ accuracy - 12.5, 12.5, 5 microns
- Print plate leveling tech - Automatic leveling calibration

INCLUDES:

Robo C2 Printer, Power Cable, Spool of Filament, Quick Start Guide, USB with 3D Models, 1-year Autodesk Fusion 360, Tool Kit

WARRANTY:

12 - Month Warranty



NEW

Cat. No.	Description	Price
S72787	Education 3D Printer with WiFi	1000.00/Ea
S72786	1 Hour Online Training	200.00/Ea

MyStemKits

Deliver STEM education to students in an interactive and engaging manner. Uses 3D printing to create more than 180 manipulatives.

Hands-on learning for grades K-12.

Classroom Plan — One-year, single-user unlimited plan.

E3 Classroom Bundle — One-year subscription to the Classroom Plan (one teacher user account), 2 Robo C2 3D Printers, 10 × 500g rolls of filament and 2 hours of online training.

School Plan — One-year, multi-user unlimited plan.

E3 School Bundle — One-year subscription to the Classroom Plan (8 teacher user accounts), 2 Robo C2 3D Printers, 10 × 500g rolls of filament and 2 hours of online training.

Cat. No.	Description	Price
S72788	Classroom Plan	1500.00/Ea
S72790	Classroom - Robo C2 Bundle	3500.00/Ea
S72789	School Plan	4000.00/Ea
S72791	School - Robo C2 Bundle	6000.00/Ea



NEW

PLA Filament

PLA filament is easy-to-use, non-toxic, odorless and biodegradable. Ideal for making a wide range of durable prints with Robo 3D printers.

Cat. No.	Description	Price
S72793	Black	20.00/Ea
S72794	Blue	20.00/Ea
S72795	Red	20.00/Ea
S72797	White	20.00/Ea
S72796	Green	20.00/Ea
S72792	Filament 10 Pack	200.00/Ea



NEW

Products to Complete Your Makerspace

Stock up on the products you need to continue making, learning, and exploring in your classroom.



Description	Cat. No.	Quantity	Price
Cups			
Clear Plastic Cups, 2.5 oz.	S04589	45/Pack	\$5.75
Clear Plastic Cups, 7 oz.	S04202	100/Pack	\$32.00
Clear Plastic Cups, 9 oz.	S042015BO	100/Pack	\$18.50
Clear Plastic Cups, 16 oz.	S04170	50/Pack	\$15.50
Foam Cups, 6 oz.	S04195	1000/Pack	\$67.50
Foam Cups, 8 oz.	S04196	1000/Pack	\$77.00
Paper Cups, 4 oz.	S04199	100/Pack	\$8.60
Paper Cups, 4 oz.	S04198	500/Pack	\$70.75
Paper Cups, 8 oz.	S04200	100/Pack	\$16.75
Translucent Cups, 7 oz.	S04575	100/Pack	\$14.25
Pans			
Aluminum Pie Pans, Dia.: 9 in.	S04171	10/Pack	\$8.60
Foil Pans, L x W: 8 x 8 in.	S04203	6/Pack	\$7.20
Foil Pan, Dia.: 4.9 in.	S04204	Each	\$5.20
Pencils			
Colored Pencils, Assorted Colors	S04194	12/Pack	\$4.35
Wax Pencils, Black	S04191	Each	\$1.05
Containers and Trays			
Deli Container, PET, 16 oz., Without Lid	S39380KWW	Each	\$0.35
Foam Trays, White, 9 x 12 in.	S04188	Each	\$0.30
Plastic Shoe Box	S394421MW	Each	\$3.85

Visit fisheredu.com or contact your Fisher Science Education sales representative to access our full selection of products.

Products to Complete Your Makerspace



Description	Cat. No.	Quantity	Price
Utensils			
Metal Teaspoon, L: 6 in.	S045864RR	Each	\$0.35
Plastic Forks	S04176	100/Pack	\$10.25
Plastic Teaspoons	S04175MKC	100/Pack	\$3.80
Stainless-Steel Scoop, L: 6 in.	S04582	Each	\$6.95
Miscellaneous			
Balloons, Assorted Colors	S04187	144/Pack	\$30.00
Coffee Filters	S041853MM	200/Pack	\$6.35
Diecast Toy Cars, Assorted Styles	S04578MKC	Each	\$3.15
Dowel Rod, Dia. x L: 0.5 x 15 in.	S04172	Each	\$2.70
Electrical Tape, Black, 0.75 in. x 30 yd.	S04192	Roll	\$2.50
Fine Sand	S39377KWW	4 Cups	\$3.80
Flat Washer, I.D. x O.D.: 0.31 x 0.75 in.	S04584KPP	Each	\$0.15
Magnifying Glass, with Handle	S04173	Each	\$4.00
Marbles, Assorted Colors	S04581	16/Pack	\$6.70
Modeling Clay, 4 Colors	S04179MKC	Each	\$3.20
Paper Towels, 70 Sheets/Roll	S04573MKC	Each	\$2.55
Pipe Cleaners, Assorted Colors	S04193	1,000/Pack	\$79.00
Plastic Funnel, O.D. x L: 3.9 x 3.35 in.	S04580	Each	\$4.50
Potting Soil	S394632WAW	6 Cups	\$2.55
Potting Soil	S042858	8 Cups	\$10.25
Ring Magnet, O.D.: 1.14 in. (2.9cm)	S04585	Each	\$1.85
Round Toothpicks	S04180MKC	800/Pack	\$2.05
Rubber Bands, No. 64	S04189	1 lb./Pack	\$17.00
Steel Wool, No. 1	S04183	16/Pack	\$14.25
Styrofoam Balls, White, Dia.: 1 in.	S04571	12/Pack	\$11.25
Vegetable Oil	S04587A	24 oz.	\$10.75
White Vinegar	S04577	32 oz.	\$7.20
Resealable Bags, L x W: 6 x 6 in.	S04588	100/Box	\$11.25

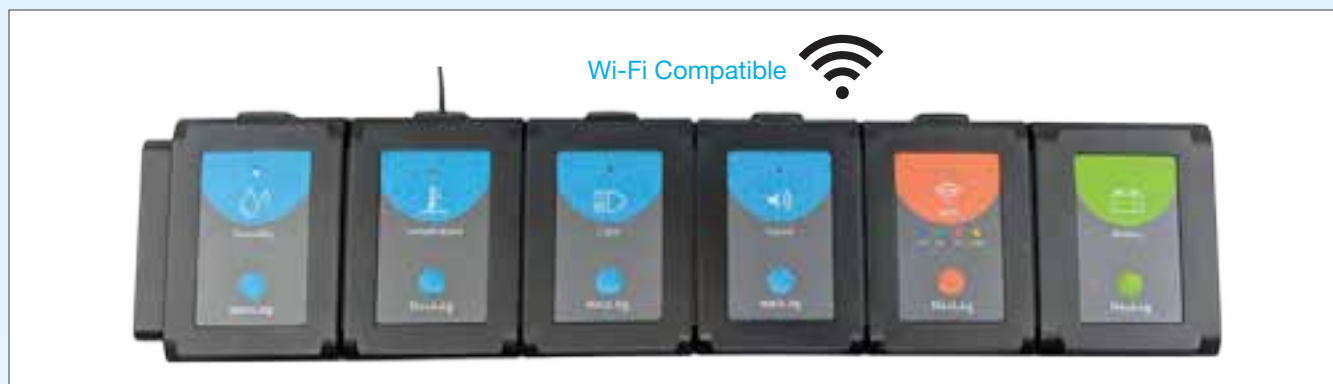
Visit fisheredu.com or contact your Fisher Science Education sales representative to access our full selection of products.

CAREER AND TECHNOLOGY EDUCATION NeuLog™ Neuron Logger Sensors



Flexible, Fast, and Simple

The NeuLog system is so powerful and flexible because each sensor is like a tiny computer, a datalogger with flash memory, and a sensor all in one. Turn science study into an easy and fun classroom experience.



Compatible with Many Devices

- Smartphones
- Tablets
- PC or Mac

Multiple Connection Options

- WiFi
- USB
- Stand-alone

Designed to Work with Future Technologies

- Browser-based software will work with any hardware and software of the future without the need for upgrades

Cost-Effective Solution

- No need to purchase expensive hubs or additional software

Adaptable

- Use probes simultaneously
- Interchangeable sensors
- Ideal for any experiment
- Suitable for any age level

Modular Plug and Play

- Allows connection of sensors in any order
- No calibration required
- Instant readings
- No set-up time

Visit fisheredu.com/neulog to learn more.

How to Get Started



1. Sensors

Select the type of sensor you need to collect data for your experiments and demonstrations — over 40 sensors are available. See **page 17** or visit **fisheredu.com/neulog** for our full sensor listing.



2. Hardware

Determine the type of hardware to be used in your classroom and the devices your students will most commonly use, such as PCs, tablets, etc.




3. Connection

How do you want your sensors to send data to your hardware? See options listed on **page 15**.

Options



PC
USB Module
(**S98243-45ND**)
— OR —
Bluetooth
(**S30783NO**)
— OR —
Wi-Fi Module
(**S23772**)



Tablets and Smartphones
Wi-Fi Communication Module
(**S23772**)



Not sure?
Graphic Display (**S98243-43ND**)
is perfect for graphing from a lab
— OR —
Basic Digital Display (**S98243-42ND**)
is ideal for basic data value output
similar to a multimeter

All options require a **Battery Unit (S39112)**



CAREER AND TECHNICAL EDUCATION Data Collection

Choose from over 45 NeuLog™ sensors.



NeuLog Modules and Displays



Description	Cat. No.	Price
Wi-Fi Module	S23772	\$156.00
Basic Digital Display	S98243-42ND	\$56.75
Digital Graphic Display	S98243-43ND	\$154.00
USB Module	S98243-45ND	\$48.00
RF Module	S98243-46ND	\$68.75
Battery Unit	S39112	\$41.25
Bluetooth	S30783ND	\$100.00

NeuLog Sensors

Description	Cat. No.	Price
Acceleration Logger Sensor	S98243-54ND	\$102.00
Ammonium Ion-Selective Logger Sensor	S98243-18ND	\$355.00
Anemometer Logger Sensor	S98243-57ND	\$145.00
Barometer Logger Sensor	S98243-1ND	\$79.00
Blood Pressure Logger Sensor	S98243-2ND	\$123.00
Calcium Ion-Selective Logger Sensor	S98243-16ND	\$355.00
Charge Logger Sensor	S98243-60ND	\$139.00
CO ₂ Logger Sensor	S98243-3ND	\$265.00
Colorimeter Logger Sensor	S98243-4ND	\$102.00
Conductivity Logger Sensor	S98243-5ND	\$76.00
Dew Point Logger Sensor	S98243-59ND	\$87.00
EKG Logger Sensor	S98243-10ND	\$164.00
Drop Counter Logger Sensor	S98243-52ND	\$98.00
Flowrate Logger Sensor	S98243-11ND	\$143.00
Force Logger Sensor	S98243-9ND	\$132.00
Force Plate Logger Sensor	S98243-12ND	\$259.00
Hand Dynamometer Logger Sensor	S98243-14ND	\$133.00
Galvanic Skin Response (GSR) Logger Sensor	S98243-51ND	\$128.00
Geiger Counter Logger Sensor	S23714	\$669.00
Heart Rate and Pulse Logger Sensor	S98243-15ND	\$59.75
High-Temperature Logger Sensor	S98243-34ND	\$73.25
Humidity Logger Sensor	S98243-27ND	\$79.00
Infrared Thermometer Logger Sensor	S98243-32ND	\$188.00

Description	Cat. No.	Price
Light Logger Sensor	S98243-20ND	\$56.75
Magnetic Field Logger Sensor	S98243-21ND	\$52.25
Motion Logger Sensor	S98243-23ND	\$102.00
Nitrate Ion-Selective Logger Sensor	S98243-19ND	\$355.00
Oxygen Logger Sensor	S98243-8ND	\$242.00
Panda Multi-Sensor	S13941	\$305.00
Panda Wi-Fi Module	S13942	\$164.00
pH Logger Sensor	S98243-24ND	\$99.00
Photogate Logger Sensor	S98243-25ND	\$68.75
Pressure Logger Sensor	S98243-13ND	\$96.00
Respiration Monitor Belt Logger Sensor	S98243-55ND	\$147.00
Rotary Motion Logger Sensor	S98243-53ND	\$185.00
Salinity Logger Sensor	S98243-29ND	\$102.00
Soil Moisture Logger Sensor	S98243-30ND	\$80.00
Sound Logger Sensor	S98243-22ND	\$94.00
Spirometer Logger Sensor	S98243-28ND	\$102.00
Surface Temperature Logger Sensor	S98243-33ND	\$32.75
Temperature Logger Sensor	S98243-31ND	\$39.50
Turbidity Logger Sensor	S98243-35ND	\$127.00
UVA Logger Sensor	S98243-36ND	\$102.50
UVB Logger Sensor	S98243-37ND	\$102.50
Voltage Logger Sensor	S98243-7ND	\$49.75

Advantages of Using Vernier Probeware



Improves test scores



Easy to use



Builds student interest



Creates a deeper understanding



Supports standards



Backed by support



Frees class time



Vernier Lab Books

Enhance your curriculum with Vernier award-winning lab books, available as e-books or in a traditional print format. Each book includes experiments that incorporate Vernier sensors and software.

All experiments can be customized to your teaching preferences. Each book also includes essential instructor information such as teaching tips, instructions for preparing solutions, suggested answers, and sample data.

Visit vernier.com/books to learn more.

* AP and Advanced Placement Program are registered trademarks of the College Entrance Examination Board, which was not involved in the production of and does not endorse this product.

Lab Book	Cat. No.	Price
<i>Chemistry with Vernier</i>	S16047ND	\$48.75
<i>Biology with Vernier</i>	S16045ND	\$48.75
<i>Physics with Vernier</i>	S16046ND	\$48.75
<i>Middle School Science with Vernier</i>	S15962ND	\$48.75
<i>Vernier Chemistry Investigations for Use with AP[®] Chemistry</i>	S16079ND	\$48.75
<i>Advanced Biology with Vernier</i>	S16096ND	\$48.75
<i>Investigating Environmental Science through Inquiry</i>	S16049ND	\$48.75
<i>Advanced Chemistry with Vernier</i>	S16119ND	\$48.75
<i>Physics Explorations and Projects</i>	S29802	\$48.75
<i>Elementary Science with Vernier</i>	S15989ND	\$48.75

Visit fisheredu.com for a full list of lab books.

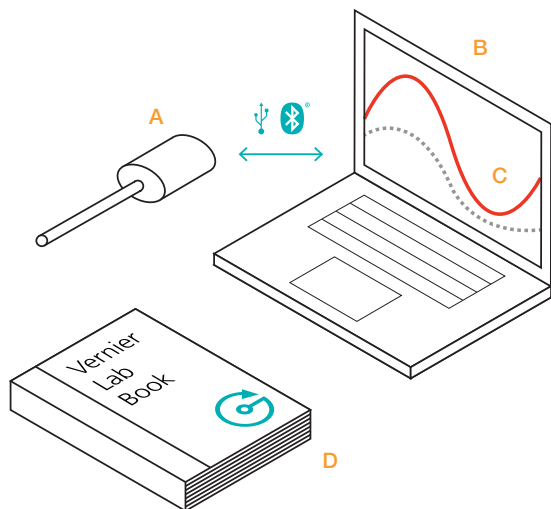
Getting Started with Go Direct Sensors

Why Choose Go Direct Sensors?

With over 40 sensors to choose from, Vernier™ Go Direct™ Sensors offer an affordable solution and include software. They're also easy to use — just connect and start collecting data with your device.

What You Need to Get Started

- A Go Direct Sensor**
These versatile sensors connect to your device via Bluetooth™ wireless technology or USB.
- B Device**
Go Direct sensors connect to a wide variety of devices, including computers and mobile devices.
- C Graphical Analysis™ 4 App**
Our free data-collection app facilitates student understanding with real-time graphs of experimental data. Visit vernier.com/ga4 to learn more.
- D Lab Book**
Step-by-step instructions at your fingertips save valuable time when integrating probeware into your curriculum.



Go Direct Sensors	Cat. No.	Price
Go Direct Temperature	S39731	\$71.50
Go Direct Force and Acceleration	S39711	\$103.00
Go Direct Motion	S39717	\$103.00
Go Direct pH	S39725	\$93.00
Go Direct CO ₂ Gas	S39703	\$199.00
Go Direct SpectroVis™ Plus	S16260ND	\$416.00
Go Direct Gas Pressure	S39713	\$93.00
Go Direct Conductivity	S39705	\$103.00
Go Direct O ₂ Gas	S39722	\$196.00

Visit fisheredu.com for a full list of sensors.



Go Direct
CO₂ Gas



Go Direct
Force and Acceleration



Go Direct
O₂ Gas



Go Direct
Motion



Go Direct
Gas Pressure



Go Direct
Photogate



Go Direct
Conductivity



Go Direct
pH



Go Direct
SpectroVis Plus



Go Direct
Temperature

Vernier Interface Data Logging

Why Choose LabQuest Sensors?

With over 80 sensors to choose from, the LabQuest™ family of sensors offers the widest variety of experiments to integrate into your existing curriculum. Connect LabQuest sensors with an interface to your device, including a computer or mobile device.



LabQuest 2

LabQuest 2 can serve as a standalone data logger, connect to a computer, or wirelessly transfer data to mobile devices. This versatile data-collection interface is compatible with all Vernier sensors — both LabQuest and Go Direct.



LabQuest Stream

Designed to meet the needs of mobile learning environments, LabQuest™ Stream™ can wirelessly stream data to a mobile device or a compatible computer. It can also connect via USB to student computers.



LabQuest Mini

The perfect solution for educators collecting data only with a computer or Chromebook, LabQuest Mini communicates with Graphical Analysis™ 4, Logger Lite, and Logger Pro for powerful analysis and curricular support.



Go! Link

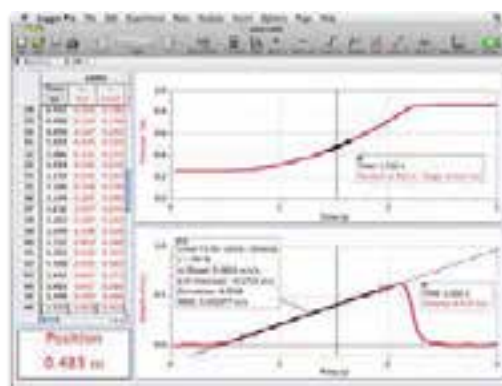
The Go! Link™ USB sensor interface is a single-channel interface that connects most Vernier sensors to your computer's USB port.

LabQuest Sensors	Cat. No.	Price
Stainless Steel Temperature Probe	S16268ND	\$36.75
pH Sensor	S16238ND	\$90.00
Gas Pressure Sensor	S16052ND	\$89.00
Dual-Range Force Sensor	S16050ND	\$112.00
Motion Detector	S405904	\$92.00
Current Probe	S16059ND	\$39.75
Vernier Photogate	S16279ND	\$49.00
Differential Voltage Probe	S16060ND	\$39.75
CO ₂ Gas Sensor	S16055ND	\$272.00
O ₂ Gas Sensor	S16069ND	\$204.00
Voltage Probe	S16072ND	\$12.00

Interfaces	Cat. No.	Price
LabQuest 2	S15974ND	\$344.00
LabQuest Stream	S39801	\$230.00
LabQuest Mini	S16035ND	\$173.00
Go! Link Interface	S16161ND	\$69.00

Software	Cat. No.	Price
Logger Pro	S16053ND	\$252.00

Visit fisheredu.com for a full list of sensors.



Logger Pro 3

Logger Pro™ is our award-winning, data-collection and analysis software for Windows and macOS. With the complete suite of data-collection and analysis tools, Logger Pro is suitable for all students, beginning to advanced.

Wind Experiment Kits

Strengthen your students critical thinking skills with alternative solutions to real-world energy problems.

The KidWind Project and Vernier have teamed up to provide the technology, resources, and support you need for your students to investigate renewable energy.

- Engage your students as they watch power output and energy production data develop in real time.
- Inspire creativity as your students build and test prototypes, test solutions to engineering problems, and optimize designs.
- Measure voltage and current and calculate power, with the Go Direct Energy sensor.
- Set up activities quickly and easily, providing more time for instruction and exploration.

Product	Cat. No.	Price
KidWind Basic Wind Experiment Kit (A0012)	S04807ND	\$124.00
KidWind Advanced Wind Experiment Kit (A0012)	S04798ND	\$154.00
KidWind Mini Wind Turbine with Blade Design	S04818ND	\$65.50
Solar Energy Exploration Kit	S40815	\$73.50
SimpleGEN (A0051)	S04824ND	\$59.00
2V/400mA Solar Panel (C0034)	S04828ND	\$20.00
Go Direct Energy Sensor	S39721	\$93.00



Coding and Robotics

Technology-based solutions enhance STEM education, increase learning, and build students' critical thinking skills.

Coding in the classroom has become an important way to introduce problem solving, nurture creativity, increase critical thinking, and build confidence, all while learning a new language. Colorful and modularized drag-and-drop graphical blocks make it easy for beginning programmers to learn to code.

Included with your purchase of mBot is our comprehensive STEM activities module, *Coding with mBot™: Self-Driving Vehicles*. Each activity is aligned to CSTA K–12 Computer Science Standards and includes in-depth, easy-to-understand student and instructor notes.

Makeblock Product	Cat. No.	Price
mBot (Blue) Robot by Makeblock	S39804	\$74.50
mBot (Pink) Robot by Makeblock	S29803	\$123.00
Codey Rocky by Makeblock	S40804	\$100.00
mBot Ranger by Makeblock	S40801	\$153.00
mBot 3.7V LiPo Battery	S29805	\$10.50
mBot Interactive Light and Sound Add-On Pack	S29806	\$26.75
Me LED Matrix 8 × 6	S39810	\$13.75
mBot Servo Pack	S39807	\$26.75



Math

Calculators

Texas Instruments™ TI-108 Calculator

TI's most widely used school calculator.

- Takes standard classroom functions further with percent, square root, memory keys and a \pm key
- Bright, color-coded keyboard has hard plastic keys
- Solar panel operates in low light; never needs batteries
- Slide case helps protect calculator

Teachers' Kit

- A kit for your whole classroom.
- Includes 10 calculators, storage caddy, poster and instructional materials in English and Spanish



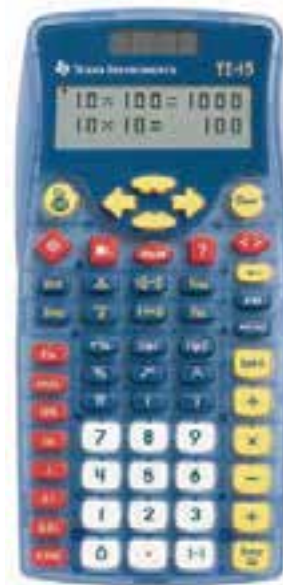
Texas Instruments™ TI-15 Calculator

Constant operations with counters help build tables.

- Develops the concepts of multiplication, division, powers and units of measurement
- Combines fraction capabilities with problem-solving function, place value and more
- Two-line display shows entries and results at the same time
- Review previous entries and results while allowing students to look for patterns

ORDERING INFORMATION:

Teacher pack also available (Cat. No. S90262TP).



Cat. No.	Description	Price
S43195	TI-108 Calculator	13.00/Ea
S43195TP	Teacher Kit	105.00/Ea

Cat. No.	Description	Price
S65240	TI-15 Calculator	22.75/Ea

Texas Instruments™ TI-30Xa Calculator

Performs 54 commonly used scientific/statistical functions.

Find common/natural logarithms, antilogarithms, reciprocals, powers, roots, factorials and trigonometric calculations.

- Algebraic Operating System (AOS) makes calculating easy
- Recalls a number, even after being shut off
- LCD displays floating decimal or scientific notation
- Shows eight digits or five digits and a two-digit exponent

INCLUDES:

Hard cover case and quick reference card



Texas Instruments™ TI-30X IIS Calculator

Combine basic scientific and trigonometric functions.

- Two-line display shows entries on top line and results on bottom line
- 11-character display on top line can be scrolled left or right — up to 88 characters
- 10-character display on bottom line can include a two-digit exponent, fraction display capabilities, operation with mixed fractions and numbers, fraction/decimal conversion, and degrees/radians conversion
- Can be powered by solar and battery



Cat. No.	Description	Price
S40649	TI30Xa Calculator	17.75/Ea

Cat. No.	Description	Price
S65241	TI-30X IIS Scientific Calculator	22.50/Ea
S65241TP	TI-30X IIS 10-pack	227.00/Pk

Texas Instruments™ TI-36X Pro Solar Calculator

Ideal for high school through college courses including Algebra 1 and 2, Geometry, Trigonometry, Statistics, Calculus and Biology, as well as curricula in which graphing technology is not permitted.

MultiView™ display shows multiple calculations at the same time on screen while MathPrint™ shows math expressions, symbols and stacked fractions as they appear in textbooks.



- Input data, scroll through entries and make edits like using a graphing calculator
- Convert fractions, decimals and terms including Pi into alternate representations
- Select degrees/radians, floating/fix, number format modes
- Store real numbers and expressions that result in real numbers as one of seven available memory variables
- Enter data in up to three lists — any list formulas entered can accept calculator functions
- Choose from three solvers: numeric equation, polynomial and system of linear equations
- Display a defined function in a tabular form
- Determine the numeric derivative and integral for real functions
- Perform vectors and matrices using a vector and matrix entry window
- Choose from nine physical constants that can be pasted into various windows and an easy-to-use menu that includes 18 metric/English conversions
- Battery powered with solar cell assistance to lengthen battery life

Texas Instruments™ TI-84 Plus Calculators

Preloaded with interactive geometry software and more.

Extensive graphing and functions like parameter, polar, sequence, choice of graph formats, logic operations, interactive equation solver, matrices and more.



- Data analysis includes scatter plots and statistics
- Share data with the TI-83 Plus
- Mini USB cable enables instant computer connectivity
- Connect to ViewScreen™ panel or TI-Presenter™ projection devices
- Powered by four AAA batteries with lithium battery backup
- Automatic Power Down™ (APD) capabilities

Specifications

- 64 × 96 pixel display with split screen
- 24K available memory Flash ROM: 480K for Plus; 1.5MB for Plus Silver
- Clock
- I/O and USB ports

WARRANTY:

One year limited

Cat. No.	Description	Price
S40642A	TI-36X Pro Solar Calculator	43.00/Ea

Cat. No.	Description	Price
S68601	TI-84 Plus Calculator	127.00/Ea

Texas Instruments™ TI-30XS MultiView™ Scientific Calculator

Appropriate for general math, pre-algebra, algebra I and II, geometry, trigonometry, statistics, general science and biology.

Offers a four-line display to view multiple calculations and answers simultaneously. Easily scroll, review and edit current or previous entries.

- MultiView™ display
- Toggle key
- Scrolling and editing
- Stacked fractions
- Standard mathematical notation
- Scientific notation input and output
- Vertical menus
- Data/list editor



Cat. No.	Description	Price
S96892	TI-30XS MultiView Scientific Calculator	25.50/Ea

Texas Instruments™ TI-Nspire™ CX Handheld Calculator

The perfect solution for the classroom, lab and field.

Explore dynamic simulations and collect data with Vernier™ sensors. A virtual and real-world way to explore science.

- Explore hundreds of **free** TI-Nspire biology, chemistry, physics and earth science lessons and simulations from middle to high school grades at **sciencenspired.com**
- Instantly turn TI-Nspire CX handheld into data collection device by attaching Vernier EasyLink™ USB interface and sensor
- For advanced data collection, use the TI-Nspire Lab Cradle (sold separately); supports simultaneous use of up to five Vernier sensors
- Use digital images or your own photos to connect science concepts with real-world scenarios
- Touchpad navigation works more like a laptop computer
- Approved for standardized tests — SAT™, PSAT/NMSQT™, ACT™, IB and AP exams
- Screen size: 320 × 240 pixels (3.2 in. [8.1cm] diagonal)
- Screen resolution: 125 dpi; 16-bit color
- Memory: 100MB storage memory/64MB operating memory

INCLUDES:

- Handheld: One handheld, TI-Nspire student software and TI-Nspire rechargeable battery
- Teacher Pack: Ten handhelds with rechargeable batteries installed, 90-day trial of TI-Nspire and CAS Teacher Software, ten USB cables, five unit-to-unit cables, one manual, docking station and poster

Cat. No.	Description	Price
S02278ND	Color Graphing Calculator	179.00/Ea
S02280ND	Teacher Pack	2106.00/Ea

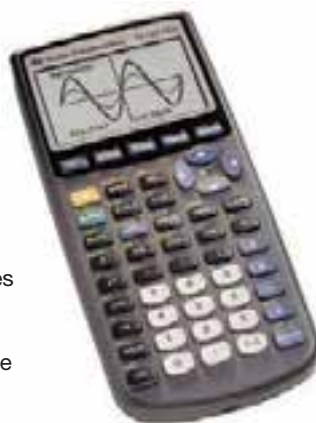


Texas Instruments™ TI-83 Plus Graphing Calculator

Applications can be installed and customized for classroom needs.

Upgrade and add applications from the TI™ website using the Graph Link™ cable (sold separately).

- Defines, saves and graphs: 10 rectangular functions, six parametric equations and six polar equations
- Features three recursively defined sequences
- Seven different graphing styles
- 64H × 96mmW Screen
- Advanced statistics include hypothesis testing, confidence intervals and distribution
- Handles real and complex numbers, lists, matrices and strings
- Standard link cable allows data sharing with another TI-83 Plus or TI-82



INCLUDES:

Standard link cable

Cat. No.	Description	Price
S63096	TI-83 Plus Graphing Calculator	163.00/Ea

Measurement

fisherbrand Measuring Ruler

Useful conversion tables make this a valuable laboratory tool.



- Inexpensive, blue vinyl
- Graduated from 0 to 6 in. and 0 to 150mm
- Temperature conversion scale from -20° to +100°C, and -10° to +212°F
- Scale for quickly determining cork and rubber stopper sizes

Cat. No.	Description	Price
S40641	Measuring Ruler	7.95/Pk

12-Inch Rulers

Made of shatter-resistant material.

- English and metric calibrations
- Clear ruler is shatterproof
- Flexible and clearview rulers are shatter-resistant; available in packs of 12 with two each of red, green, blue, orange, yellow and purple



Cat. No.	Description	Price
S90532A	Clearview Ruler	8.15/Pk
S90532B	Flexible Ruler	15.75/Pk
S90532C	Clear Ruler	0.90/Ea

Solid Hard Maple Meter Sticks

Premium quality, solid North American Maple.

- Lacquered finish for optimum durability
- Won't dent or warp
- Scaled in millimeters on one side and inches in 0.125 in. increments on the other
- Dimensions: 1.125W x 0.31 in. thick (2.85 x 0.8cm)



Cat. No.	Description	Price
S32051	Plain End	6.70/Ea
S32052	Metal End and Hanging Hole	10.75/Ea

English/Metric Meter Sticks

Available with plain or metal ends.



- Front is ruled in metric units with millimeter increments on both edges
- Back is ruled in inches with 0.125 in. increments
- Made of pine with a multiple-coat clear lacquer finish for increased durability
- Dimensions: 1W x 0.25 in. thick (2.54 x 0.63cm)

Cat. No.	Description	Price
S40625	Meter Sticks	6.25/Ea

Eisco Tape Measure

For basic measurement in classroom applications.



- 60 inches long
- 1/8 in. increments

Cat. No.	Description	Price
S14011	60 in. Tape Measure	0.90/Ea

Wind-Up Measuring Tapes

- Made of fiberglass
- 100 ft. model has removable handle for easy control
- Marked in cm and mm on one side and inches on reverse
- Rolls into sturdy case



Cat. No.	Length (English)	Length (Metric)	Price
S94240	100 ft.	3000cm	18.25/Ea
S94239	33 ft.	1000cm	11.50/Ea

Eisco Vernier Calliper

Plated steel, columbus type calliper enables the user to read either inside, outside or depth measurements.



- Dual scale 0 to 12.5cm x 0.1mm
- Imperial scale graduated to 5 x 0.0078 in. provided with thumb wheel for easy motion of jaws, in plastic case

Cat. No.	Description	Price
S99340	Vernier Calliper	6.85/Ea

fisherbrand Traceable™ Digital Carbon Fiber Calipers

Switch between inches and millimeters easily.



- For measuring outside or inside diameter
- Zero button instantly resets unit at any position
- Greater-than or less-than results without calculations
- Ergonomically designed
- No lubrication is ever required on the ultra-smooth slide bar
- Runs on the supplied battery for 10,000 hours
- Made of strong composite carbon fiber
- Resolution: 0.01 in. and 0.1mm
- Accuracy: ±0.01 in. and ±0.2mm
- Large digital display: 0.3 in.H (7.6mm)

4 in. (10.2cm) Caliper

- Range: 0 to 4 in. (0 to 100mm)
- Dimensions: 7 x 2.5 in. (17.7 x 6.4cm)
- Weight: 1 oz. (28g)

6 in. (15.2cm) Caliper

- Range: 0 to 6 in. (0 to 150mm)
- Dimensions: 9.5 x 3 in. (24.1 x 7.6cm)
- Weight: 2 oz. (57g)

CERTIFICATIONS:

Individually serial-numbered Traceable Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST.

Cat. No.	Description	Price
S90187B	4 in. Caliper	43.50/Ea
S90187A	6 in. Caliper	40.50/Ea

Eisco Micrometer Screw Gauge

Provides accuracy, perfect for a hobbyist or student

- With ratchet top, accurately machined stainless steel rod
- Range: 0 to 25 × 0.01mm supplied in velvet/plastic case



Cat. No.	Description	Price
S99341	Micrometer Screw Gauge	12.00/Ea

Liter Set

Teaches students the relationship between volume, mass and shape.

- Set of six graduated, clear containers
- May be filled with liquids or solids
- All are 4.35 in. (11cm) tall
- Hold 0.25 to 1L



ORDERING INFORMATION:
Grades 3 to 12.

Cat. No.	Description	Price
S94243	Liter Set	24.00/Ea

United Scientific™ Measurement Kit

Variety of tools and objects for teaching basics of measurement.



- Reusable wooden storage box
- Comprehensive, teacher-developed activity guide features 15 different activities

INCLUDES:

- Depth gauge
- Micrometer
- Plastic protractor
- 12 in. plastic ruler
- Tape measure
- Brass vernier caliper
- Wire gauge with conversion table
- Aluminum square
- Aluminum wire
- Graduated cylinder
- Plastic cylinder
- Plastic vial

Cat. No.	Description	Price
S67819	Measurement Kit	36.00/Ea

United Scientific™ Building STEM Skills Kit: Measurement

For students to measure lengths and distances, volumes, mass, temperature, and time, and also investigates conservation of mass.



- Feature hands-on learning materials and interactive digital content that can be accessed on computer, tablet or mobile device
- Contains five classroom activities and five independent investigations
- Materials for 40 students working in groups of four

Cat. No.	Description	Price
S13122	Building STEM Skills Kit: Measurement	142.00/Ea

Forensics

Evidence Collection

Sirchie™ Red SIRCHMARK™ Evidence Tape

Simply peel the evidence strip away from the liner and apply to evidence.



- Translucent red with opaque black overprinting
- Printable tape allows you to initial and date items as necessary
- 54-foot roll
- Coated with a permanent, quick-setting acrylic adhesive that defies removal from most surfaces
- Roll is 1.5 in. wide, 0.001 in thick, on a 3 in. core and is backed with 50 lb. stock Kraft liner
- Attempts to remove SIRCHMARK evidence tape will cause the tape substrate to break and peel off in irregular strips

Cat. No.	Description	Price
S99539	SIRCHMARK Evidence Tape	17.50/Ea

Sirchie™ “Crime Scene Do Not Cross” Barrier Tape

Helps secure the integrity of a crime scene.

- Eye-catching black lettering printed on brilliant yellow polyethylene.
- Simply tie one end of the tape around a fixed item, walk around the scene’s perimeter and tie it off where desired
- Warning repeats every 31 in. (78.7cm)
- W x L: 3 in. x 1000 ft. (7.5cm x 300m)



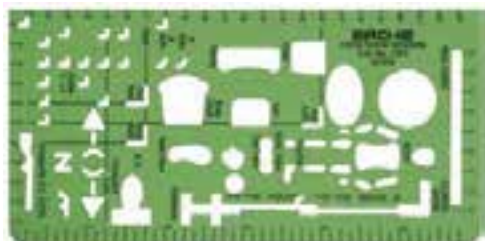
INCLUDES:

Dispenser box is furnished with each roll.

Cat. No.	Description	Price
S69003A	Barrier Tape	29.75/Ea

Sirchie™ Crime Scene Template

Designed to simplify the drawing of difficult objects found at the crime scene.



- Features segmented human body to permit drawing the human form in the exact position in which it was found
- One quarter-inch scale with conventional 6 in. ruler along the right side; bottom and left sides marked in 0.25 in. increments
- Dimensions: 6.5 x 3.25 in. (16.5 x 8.3cm)

Cat. No.	Description	Price
S99538	Crime Scene Template	19.50/Ea

Sirchie™ Photo Evidence Scale

Perfect for precise measurement when photographing evidence.



- Durable 6 in. (15.2cm) white vinyl rule
- Scales are 0.02 in. thick, and calibrated in both inches and millimeters with crosshairs at each end
- Scales feature a flat finish that eliminates reflections

Cat. No.	Description	Price
S99182	Photo Evidence Scale	18.75/Pk

Sirchie™ Bio-Foam™ Impression Kit

Quick and easy-to-use system makes footwear impressions without damage or contamination.

- Spray on a thin coating of Aerosol Dust & Dirt Hardener (sold separately)
- Mix and pour in Shake-N-Cast™ ready-to-use casting material (sold separately, S99541)
- Press shoe onto the surface



Cat. No.	Description	Price
S99543	High-Density Impression Kit	12.00/Ea

Blood Typing Anti-Sera

Use for blood typing of real human blood.

- Five milliliter vial contains enough antisera for 75 students
- Sample will keep over one year with proper refrigeration
- Materials from human-derived cell lines were found to be negative in tests for Hepatitis B, HIV and EBV
- Includes Anti-A & Anti-B, Anti Rh and Anti-H Lectin Anti-sera



DOT: Non regulated

DISCLAIMERS:

For educational use only. Not FDA approved for clinical use.

Cat. No.	Description	Price
S06626	Blood Typing Anti-Sera Type	56.75/Ea

Sirchie™ Longwave UV Mini Light Source

For use in crime scene search and forensic applications.

- Ideal for theft detection in viewing invisible stains, powders and pastes
- Fully portable, battery-operated longwave UV source housed in rugged ABS plastic
- Peak wavelength: 365nm



ORDERING INFORMATION:

Dimensions: 6.25H x 2W x 0.75 in. D (15.9 x 5.1 x 1.9cm). Replacement bulb available separately.

REQUIRES:

Four AA alkaline batteries (S43921, not included)

Cat. No.	Description	Price
S99187	UV Mini Light Source	58.00/Ea

Sirchie™ Fingerprinting Supplies

Great for the classroom — clear and accurate fingerprints for forensics projects.

Long-handle Brush

- Selected, high-quality camel hair for latent powder applications only
- Fine hair eliminates scratching ridge details
- Handle is balanced for easy use
- Supplied with a protective container and cap
- L x dia.: 9 x 0.5 in. (22.9 x 1.3cm)

Kit-Sized Fiberglass Brush

- Specially selected fiberglass filaments are excellent for developing latent fingerprints
- Retains powder and eliminates the constant powder replenishment
- Balanced, machine-knurled, black anodized-aluminum handle in special length to serve as kit replacement
- Supplied in a protective container and cap
- Dia. x L: 0.25 x 2.75 in. (0.6 x 7.0cm)

Black Marabou Feather Duster

- Ideally suited for primary and secondary latent print development with any type of powder
- Each brush comes with a transparent tube and cap for storage
- Handle and ferrule L: 4.63 in. (12cm); feather L: 4.5 in. (11cm)

Cleaner Towelettes

- Individual, napkin-size disposable-ink-cleaning towels for field or classroom
- Special formulation removes fingerprint ink and grime; mildly fragrant, sanitary
- Pack of 100 in hermetically sealed packages

Search™ Fingerprint Ink

- Free-flowing, densely black ink
- Easily rolled and dries quickly on paper, but remains soft and usable on a slab for days
- Not adversely affected by extreme temperature changes
- Available in 2 oz. (59mL) or 4 oz. (118mL) quantities

Supremink™ Fingerprint Ink

- Easy to dispense, roll out and clean up
- Use just a few drops to roll a thin, even layer of ink
- Produces fingerprints with excellent ridge detail
- Won't dry on ink slab surface; dries immediately on contact with fingerprint card
- Available in 2 oz. (59mL) or 4 oz. (118mL) quantities

Flawless Fingerprint Ink Pad

- Stain-free
- Provides thousands of single impressions
- Remove by rubbing fingers together or use a dry paper towel
- Dia. x H: 0.38 x 1.63 in. (4.1 x 0.9cm)

4 in. (10cm) Fingerprint Ink Roller

- Effective and economical
- One-piece design ensures the integrity of the complete roller assembly
- Design prevents the roller from touching the inking table when not in use
- Rugged, aluminum handle and rubber grip area for operator comfort and control
- Medium-soft, high-density rubber roller element withstands repeated cleaning with solvents



Fingerprint Record Cards (No Imprint)

- 8 x 8 in. (20.3 x 20.3cm) applicant cards printed in process blue ink on 110 lb. index card stock Do not include imprint

“Hi Fi” Silk Black Powder

- Latent print powder offers high sensitivity, adherence and reproduction
- Packaged with desiccant capsules to protect against moisture contamination for over 12 months
- Quantity: 2 oz. (59mL); Net Wt. 0.7 oz. (21g)

Redescent™ Fluorescent Powder

- Works especially well on dark or multicolored surfaces — greatly enhancing ridge details when illuminated
- Ultraviolet or blue frequencies (254 to 525nm) excite fluorescence
- Quantity: 2 oz. (59mL); Net Wt. 0.8 oz. (24g)

Fingerprint Pattern Wall Chart

- Illustrates nine of the most common fingerprint patterns
- Useful reference and teaching aid

Cat. No.	Description	Price
S99530	Long-Handled Brush	26.50/Ea
S99528	Kit-Sized Brush	19.25/Ea
S99529	Feather Duster	21.00/Ea
S99524	Cleaner Towelettes	22.75/Ea
S69000C	Search™ Fingerprint Ink	15.00/Ea
S69000E	Supremink™ Fingerprint Ink	15.00/Ea
S69000A	Ink Pad	13.25/Ea
S69000F	Fingerprint Ink Roller	28.00/Ea
S99521	Fingerprint Record Card	38.50/Pk
S99527	Fluorescent Print Powder	18.75/Ea
S99526	Latent Print Powder	11.50/Ea
S99522	Fingerprint Pattern Wall Chart	29.25/Ea

Sirchie™ Silver/Gray Fluormag™ Magnetic Latent Print Powder

Highly fluorescent for use on multicolored backgrounds.

- “No contact” magnetic powder
- Natural silver/gray color appears bright yellow/green when illuminated with an ultraviolet light
- 2 oz.



Cat. No.	Description	Price
S99533	Magnetic Latent Print Powder	17.75/Ea

Sirchie™ Hinge Lifters

Sized for multiple fingerprints or full palm prints.

By hinging the two together, you can lift, seal and protect fragile latent prints in one easy step.

- Pre-assembled devices combine 5mil clear acetate-coated lifting medium with acrylic adhesive and 10mil backing sheet
- Immediate comparisons may be made with suspect prints or used directly for contact prints or enlargements
- Transparent



Cat. No.	Description	Price
S99536	Hinge Lifters	13.50/Ea

Sirchie™ PrintMatic™ Flawless Ink Pad

Revolutionary new concept for recording fingerprints.

- Specially designed microporous membrane features a pore size of 7 to 10 microns for a higher degree of detail in the fingerprint impression
- Produces over 10,000 rolled and plain impressions
- Capillary action provides just the right amount of ink on its surface
- Less pressure is needed when fingers are rolled across the pad, resulting in clearer, less distorted impressions
- Unique multi-mount, injection-molded, copolymer polypropylene case equipped with a positive, snap-lock lid to protect ink surface from airborne contaminants
- Dimensions: 15.8 × 7.6 × 1.2cm; Weight: 88.7mL



Cat. No.	Description	Price
S99191	Sirchie Ink Pad	33.00/Ea

Sirchie™ Magnetic Powder Applicator

Ideal for precision dusting of small to medium surface areas.

- Durable, injection-molded applicator features a narrow magnet to fit any size powder container
- Use for processing paper, finished and unfinished wood, nonferrous metals, plastic, glass, vinyl, etc.



Cat. No.	Description	Price
S99534	Magnetic Powder Applicator	31.25/Ea

Activity Kits

Forensic Science Lab Activities: Complete Set of 12

Enjoy the convenience of having the series of forensic test kits available in your classroom.



Introduce students to investigation with several different types of possible evidence, such as: fingerprints, blood detection/ blood typing, identification of unknown substances, gunshot residue, properties of glass, and more

INCLUDES:

- Gunshot Residue Presumptive Test Kit (S96637)
- Presumptive Blood Test Kit (S96638)
- Forensic Chemistry of Document Analysis Kit (S96639)
- Physical Properties of Glass Kit (S96641)
- Forensic Chemistry of Unknown Substances Kit (S96642)
- Forensic Chemistry of Hair Analysis Kit (S96643)
- Forensic Chemistry of Blood Types Kit (S96644)
- Chemiluminescence in Blood Stain Detection (S96645)
- Forensic Chemistry of Drug Detection Kit (S96646)
- Crime Scene Investigation Lab (S96647)
- Forensic Chemistry of Dusting for Fingerprints Set (S96648)
- Forensic Chemistry: Chemical Detection of Fingerprints (S96357)**

Cat. No.	Description	Price
S05884***	Forensic Science Lab Activities: Complete Set of 12 Kits	702.00/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Kemtec™ Crime Scene

Students gather physical evidence to make factual interpretations of the scene.

When suspects and victims enter and/or leave the scene, they bring with them and carry away useful pieces of evidence. Outdoor areas are searched first because changing weather can destroy evidence. Everything must be documented. Court cases have been made by proper documentation and the interpretation of the facts of the processed scene.

- Students work through six exercises using reasoning, common sense, math skills, biology and chemistry to document crime scene
- Grades 5-8
- Class size: 24 students (six groups of four)

INCLUDES:

- Scene Mapping
- Hair Analysis
- Soil Analysis
- Rope Analysis
- Analysis of Scene Trash
- Police Evidence



INCLUDES:

Student investigation packets, graph paper, glass slides, cover slips, mounting media, universal indicator solution, sifting screen, soil samples, hair, rope samples, molding clay, trash evidence including nine trace evidence samples, plastic spoons, magnifying glasses, instructor manual, SDS

REQUIRES: Microscopes.

Cat. No.	Description	Price
S06742	Crime Scene Kit	176.00/Ea

Kemtec™ Robbery at Anytown Mall

Students solve the case of a robbery of a designer linen suit as a CSI would.

- Scientific methods employed by students for analysis are: observation, experimentation and interpretation
- Both evidence and personal profiles are used to crack case using deductive reasoning
- Grades 7-12
- Class size: 24 students (six groups of four)

Eight lab activities included are:

- Fabric Analysis
- Fingerprint
- Fiber Analysis
- Hair Analysis
- Handwriting
- Analysis Blood Typing
- Personal Information
- Questions and Comments

INCLUDES:

Cloth (simulated silk, cotton, linen, polyester, simulated wool), cat hair, human hair, dog hair, police envelope, suspect envelope, signature cards, hand lens, cover slips, microscope slides, wooden sticks, red litmus paper, tweezers, toothpicks, A and B hema blood tag, Rh hema blood tag, mounting media,



anti-A blood simulated, anti-B blood simulated, anti-Rh blood simulated, type B simulated blood, type A simulated blood, type O simulated blood, type AB simulated blood, instructor manual, student manuals, MSDS, student data charts, special needs materials

REQUIRES:

Microscopes, water bath, and test tubes with stoppers

Cat. No.	Description	Price
S06743	Robbery at Anytown Mall Kit	205.00/Ea



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Kemtec™ Analysis of Minerals and Soils Forensics Kit

Student detectives analyze minerals and soils.

Could the suspect have been at the crime scene? To answer this question, students analyze soil, glass, dust, and metal traces using chemical and physical techniques. In addition to providing a fascinating look at one aspect of forensic science, this kit provides students with multiple opportunities to implement the scientific method and better understand the practical uses of science.



- Designed to teach soil analysis using physical and chemical techniques: comparisons of acidity, particle size, density, and mineral analysis by use of wet chemistry
- Grades: 9-14
- Class size: 24 students (six groups of four)

INCLUDES:

Soil sample A, soil sample B, soil sample C, soil sample D, soil sample "Crime Scene", suspect A (glass beads), suspect B (glass beads), crime scene (glass beads), density gradient tubes, medicine droppers, microscope slides, polarizing film, magnifying glasses, plastic forceps, plastic spoons, aluminum pans, sets of sieves, universal indicator chart, gummed labels, bromoform, bromobenzene, universal indicator, potassium chromate solution, hydrochloric acid solution, instructor manual, student data sheets, special needs materials, methods of assessment, manual, SDS

REQUIRES:

Fume hood, UV light, balance, microscope and hot plate.

Cat. No.	Description	Price
S25706	Analysis Of Minerals and Soils Kit	323.00/Ea

Kemtec™ Forensic Impressions Kit

Let students become CSI detectives to identify, preserve and evaluate trace evidence at a crime scene.



- Based on the logic of the exchange principle by Edmund Locard which says, "it is simply impossible to enter a location without changing it in some way, either by bringing something to it or by taking something from it"
- Students learn to cast six types of impressions using carbon powder, plaster, clay and ink
- Students understand that footprints or shoe prints, tire tracks, or other impressions imbedded in soft material serve as valuable class evidence for the crime scene investigator
- Includes six different labs, allowing students to identify and evaluate trace evidence and solve the scenario
- Grades 8 to 12
- Class size: 24 students

INCLUDES:

Vials of carbon powder, small paint brushes, plain paper stock, modeling clay, plaster of Paris, teaspoons, five different ropes, magnifying glass, tongue depressors, tire pictures, small ink roller, ink, paper cups, soil, sifting screen, toothbrushes, pans, Petri dishes, instructor's manual, students manual, assessment manual, MSDS

REQUIRES:

An old tire, an old gym shoe, mixing containers, a spray bottle and newspaper

Cat. No.	Description	Price
S06741	Forensic Impressions Kit	298.00/Ea

Finger Print Classification STEM Kit

Innovating Science™ Finger Print Classification STEM Kit Allows students to learn about the history of fingerprinting as a tool for identification.

- Analyze data using the system that is used worldwide for classification
- Analyze fingerprints for common characteristics and create a classification system using those characteristics
- This kit includes an optional activity where students can practice lifting a fingerprint and comparing it to a crime scene print
- Kit contains enough materials for 15 groups
- Teacher's guide and Student Guide copymasters are included



Cat. No.	Description	Price
S29559	Finger Print Classification STEM Kit	53.00/Ea

Kemtec™ Fabrics and Fiber Forensics Kit

Examine various types of fabric and fiber evidence and observe the various types of characteristics that are exhibited.

Students perform four analytical experiments as they learn to characterize fabrics and fibers. After learning techniques for proper collection of fiber evidence, student test three unknowns to determine their identity.

- First students determine whether each sample is animal, vegetable, mineral, or synthetic in origin by subjecting fibers to a burn test and evaluating fibers for protein and the presence of sulfur.
- Then, students observe fiber samples to identify general microscopic characteristics and subject fibers to chemical solubility tests.
- Finally, fibers are examined in stress and strain tests.

Grades 8 to 12

Class size: 24 students

Cat. No.	Description	Price
S06739	Fabrics and Fiber Kit	199.00/Ea

INCLUDES:

Instructional Manual, Fabric & fiber samples (cotton, wool, carpet, Spun glass strands, Nylon, Rayon Acetate, Unknown Fabric #1, Unknown Fabric #2, Unknown Fabric #3), Wax pencils, Metal forceps, Plastic forceps, Glass Slides, Cover Slips, Wooden toothpicks, Dropper Bottles, Red Litmus Paper, Lead Acetate Paper, Hydrochloric Acid, Sodium Hydroxide, Chlorine bleach, Mounting Media, Acetone

REQUIRES:

microscopes, alcohol or Bunsen burners, matches, test tubes, single hole stopper, test tube clamp, and distilled water.



Kemtec™ Forensic Blood Spatter Kit

Examines how blood spatter plays a role in crime scene investigation.

Students determine how the height and angle of a blood drop impact the size and shape of a blood spatter, then use this information along with the sixteen general rules of spatter interpretation to analyze data.

- Experiments introduce techniques used by forensic specialists
- Test and understand basic principles and terminology
- Grades: 9 to 14
- Class size: 24 students

Lessons include:

- Distance effect on blood spatter
- Identifying distance and angle of travel with blood spatter
- Investigating blood spatter with luminol
- Assembling a blood spatter chamber and experimenting with spatter (includes the 16 general rules of blood spatter interpretation and 37 investigative terminology terms)
- Creating a crime scene scenario

Cat. No.	Description	Price
S68542	Blood Spatter Kit	303.00/Ea

INCLUDES:

Instructor's manual, assessment manual, SDS, student data sheets, Sixteen General Rules of Blood Spatter, Thirty Seven Investigative Terminology Terms, blood spatter test, large paper clip, pipets, magnifying glasses, protractors, measuring tape, filter paper, rubber bands, clipboards, cardboard, spray bottles, labels, blood spatter chamber, dowel rods, hammer, striking platform, paper for spatter, simulated blood solution, simulated hemoglobin solution, luminol powder, sodium perborate, sodium carbonate

REQUIRES:

Newspaper, cleanup towels, water, black light, masking tape, UV light





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Blood Spatter Kits

For crime scene investigation and criminal identification based on bloodstains.

Simulated Blood Spatter Kit

- Not corn syrup based and will dry on material allowing students to utilize the dried blood on objects for exams or other lab measurements.
- Bloodstain pattern analysis helps in identification of suspect/victim
- Students examine the effects of several factors such as height, angle of impact, surface texture and velocity before impact and relate them to physical appearance of bloodstains
- Teacher's manual and student study guide copy-masters included
- Contains material for 15 groups of students
- Not regulated by DOT

INCLUDES:

- 15 bottles of simulated spatter blood, 25mL dropper bottle
- One bottle simulated spatter blood, 200mL
- 100 small index cards, 3 x 5 in.
- 100 large index cards, 5 x 8 in.
- Six rulers
- Three protractors
- Three clipboards
- Three syringes, 3 cu.cm
- 30 tongue depressors
- Three toothbrushes
- 15 acetate sheets
- 15 cloth squares
- Not corn syrup based and will dry on material allowing



S29560 is simulated blood spatter only, in a bottle.

Cat. No.	Description	Price
S12833	Simulated Blood Spatter	126.00/Ea
S29560	Blood Spatter Bottle	49.00/Ea

Blood Spatter Heads

Great tools for crime scene re-enactment, courtroom demonstrations and BPA training.

Interlocking head can be struck to produce realistic MVIS (medium-velocity impact spatter).

- High-strength, solid cast of a human head at three-quarter size
- Top quarter of the model is a custom wax-blend filled with pig's blood
- Blood has been tested to be infection-free



Note: Some components require immediate refrigeration.

INCLUDES:

Four refills (additional refills available separately)

Cat. No.	Description	Price
S94832A	Vertical Blood Spatter Head	610.00/Ea

Hemastix™ Reagent Strips

Quick-and-easy test can be used right at the crime scene.

Determine if what is being photographed at the scene is actually blood spatter.

- Detect the peroxide-like activity of hemoglobin in a substance
- Bottle of 50 strips



Cat. No.	Description	Price
S69043	Reagent Strips	84.00/Pk

Forensic Chemistry of Blood Types Kit

Classify blood based on the presence or absence of erythrocytes on the surface of red blood cells.



Blood type, an inherited characteristic, is valuable to know in that it affects medical procedures, such as surgery and transfusions, paternity testing, as well as serving as evidence in criminal investigations.

Uses Innovating Science Simulated Blood; safe for classroom use.

INCLUDES:

Teacher's manual, student guide, analysis copy-masters, blood typing trays, four simulated blood samples (victim, suspect #1, suspect #2 and crime scene), ABO/Rh blood typing anti-sera, mixing sticks. Enough materials for 15 tests.

Cat. No.	Description	Price
S96644	Forensic Chemistry Of Blood Types Kit	49.75/Ea

Forensics Using Simulated Blood Kit

Enjoy hands-on activities and learn the use of blood type in a forensic investigation.



Students first use a presumptive blood test to determine if a substance on a stained piece of cloth may be blood, and then determine the blood type of the sample collected at the scene. Students compare their results to those of samples provided from two suspects.

- Students act as lab technicians and assist investigators by examining evidence collected at a crime scene
- Kit provides the most accurate simulation of the actual blood typing procedure
- No toothpicks, stirring or waiting for results
- Contains materials for 10 groups

Uses simulated blood. These activities do not work with real blood.

INCLUDES:

- 40 blood typing trays
- 10 cotton swabs
- One cloth piece
- One bottle 70 ethanol
- One bottle blood detection reagent No. 1
- One bottle blood detection reagent No. 2
- Four simulated blood samples (victim, suspect No. 1, suspect No. 2 and crime scene evidence)
- One bottle simulated anti-A serum
- One bottle simulated anti-B serum
- One bottle simulated anti-Rh serum
- Teacher's manual and student study guide copy-masters

Cat. No.	Description	Price
S96794***	Forensics Using Simulated Blood Kit	60.00/Ea

Lyle and Louise: The Smoking Gun™ Gunshot Residue

Determine if the suspicious powder found on several surfaces at crime scenes is gunpowder or another substance.



- Students perform presumptive tests to determine if powder from several surfaces is gunpowder
- Analyze gunpowder with a scanning electron microscope (SEM) using a set of video clips filmed at the SEM lab at Marshall University
- Receive a hard copy of the graphs, images and other evidence from the SEM to determine if the substance is gunpowder

ORDERING INFORMATION:

For up to 30 students working in six groups.

INCLUDES:

SEM data for 12 particles, six positive and negative control swabs, gunshot residue swabs taken from six different surfaces, 50 alcohol swabs, pipets for each group, six bottles of diphenylamine, six bottles of sodium rhodizonic acid, fully illustrated teacher's manual with technique background

REQUIRES:

Lab gloves for each student, surfaces for alcohol swab tests (aluminum foil, weigh boats or Petri dishes), ruler, distilled water

Cat. No.	Description	Price
S02172	Gunshot Residue Forensics Kit	160.00/Ea

Forensic Chemistry of Hair Analysis Kit

See how scientists use hair to solve a crime.

Determine the origin of hair samples from a crime scene and compare to hair samples from four known suspects.

- Students will discover the differences between human and animal hair as well as those among different types of human hair
- Enough materials for 15 tests

INCLUDES:

Teacher's manual and student guide, analysis copy-masters, microscope slides, cover slips, deer hair sample, cat hair sample, four human hair samples, 15 forceps, 15 wax pencils

REQUIRES:

Light microscopes

Cat. No.	Description	Price
S96643*	Chemistry of Hair Analysis Kit	59.25/Ea



Kemtec™ Toxicology Forensics Kit

Demonstrate techniques used to screen for drug use.

- Emphasizes scientific method principles by careful observation and data collection
- Includes several forensic scenarios for realistic sleuthing
- Makes a great applied biology or chemistry lab
- Provides an opportunity to go beyond the science and discuss the social issues of drug abuse
- Grades 10-14
- Class size: 24 students (six groups of four)

INCLUDES:

Note on phenylpropanolamine; Rf value cards; tox elution columns; plastic bottles with dropper caps; silica plates; capillary tubes; pipet; acetone; methanol; simulated urine; eluent; ethyl acetate; ammonium hydroxide; potassium iodide solution; acidified methanol; chloroplastic solution; ninhydrin; diphenyl carbozone; mercuric oxide; Contact™; Sudafed™; Ceffedrine™; Dexatrim™; quinine; sulfuric acid solution, instructor, student and methods of assessment manuals; SDS



REQUIRES:

Goggles, fume hood, both short and long wave UV light, water bath, hair dryer/heat source and ring stands

Cat. No.	Description	Price
S25717	Introduction to Toxicology	319.00/Ea

Forensic Drug and Poison Analysis: Chemistry and Toxicology Educational Kit

To learn the difference between forensic chemistry and forensic toxicology. Innovating Science Forensic Drug and Poison Analysis: Chemistry and Toxicology Educational Kit, helps students to perform presumptive chemical tests on drugs and poisons, identify unknown samples based on chemical test results and examine urine for evidence of heavy metal poisoning using chromatography.

- Experiments to understand how over-the-counter drugs, controlled drugs, and illegal drugs may act as toxins
- Contains enough material for 15 groups
- Teacher's Manual and Student Study Guide copymasters are included



INCLUDES:

10g Aspirin; 10g Acetaminophen; 10g Sodium Bicarbonate Antacid; 10g Effervescent Antacid; 10g Unknown #1; 10g Unknown #2; 30mL Universal Indicator Solution; 30mL 0.5M Hydrochloric Acid; 30mL Ferric Nitrate; 1g Simulated Marijuana; 10g Simulated LSD; 10g Simulated Cocaine; 30mL Simulated Scott Reagent; 30mL Simulated Van Urk Reagent; 30mL Simulated Lead Solution; 30mL Simulated

Mercury Solution; 30mL Unknown Poison; 30mL Simulated Potassium Chromate; 30mL Simulated Urine Sample; 30mL Alanine Control; 30mL Glycine Control Spray Bottle with 0.5g Ninhydrin Powder; 4 x 25mL 95% Ethanol; 15 x 25mL Chromatography Solvent; 15 Universal Indicator Color Charts; 6 Capillary Tubes; 15pc Chromatography Sheets; 30 Spot Plates; 8 Scoops; 1pkg Toothpicks



* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Cat. No.	Description	Price
S28501***	Forensic Drug and Poison Analysis: Chemistry and Toxicology Educational Kit	183.00/Ea

Edvotek™ Forensic Toxicology Experiment Kit

Student's educational kit to analyze crime scene samples for presence of drugs.

- Identify drugs, toxins in samples collected from crime scenes, victims, potential suspects
- Uses Enzyme Linked Immunosorbent Assay (ELISA) to analyze simulated crime scene samples for the presence of drugs



Cat. No.	Description	Price
S42879	Forensic Toxicology Experiment Kit	140.00/Ea

Kemtec™ Analysis of Drugs and Poisons Forensics Kit

Learn to identify some common over-the-counter drugs



This kit enables students to identify several common over-the-counter drugs through chemical analysis of simulated body fluids. In addition, it teaches students test procedures for controlled substances and heavy metal poisoning as well as amino acids in body fluids as part of a simulated poisoning.

- Grades: 9-14
- Class size: 24 students

ORDERING INFORMATION:

Class size: 24 students working in groups.

INCLUDES:

Instructor, student and Methods of Assessment manuals; student data sheets; special needs materials; Material Safety Data Sheets; universal indicator chart; Q™-Tips; depression plates; Alka Seltzer™; sodium bicarbonate; aspirin; Tylenol™; pipets; plastic bottles with dropper caps; red toothpicks; capillary tubes; chromatography paper; unknowns A and B; unknown powders X, Y and Z; simulated LSD; simulated marijuana; crime scene powder; universal indicator; simulated urine alanine, glycine and unknown; acetic acid; acidified ferric nitrate solution; potassium chromate solution; hydrochloric acid solution; lead nitrate solution; unknown heavy metal; mercury I nitrate solution; butanol; acetone; ninhydrin

REQUIRES:

Goggles, UV light, microscopes, hot plate or heat source, balance, glassware and lab supplies

Cat. No.	Description	Price
S25702	Analysis of Drugs and Poisons	291.00/Ea

Edvotek™ Whose DNA Was Left Behind? Experiment Kit

Students simulate DNA fingerprinting and use evidence to narrow down a list of criminal suspects.



Introduces the basics of DNA fingerprinting and agarose gel electrophoresis.

- Introductory-level exercise with hands-on experimentation
- Illustrates how DNA sequences can be isolated in trace evidence such as blood cells or hair
- Dye simulations function as DNA samples for analysis
- Class size: 10 groups

ORDERING INFORMATION:

Results must be analyzed upon completion and cannot be stored overnight.

INCLUDES:

Instructions, Ready-to-Load QuickStrip™ Dye Samples, UltraSpec-Agarose™, Electrophoresis Buffer (50X), Practice Gel Loading Solution, Disposable Pipets

REQUIRES:

Electrophoresis apparatus, DC power source, microwave, hotplate or burner, beakers (250mL), beaker tongs or hot gloves, distilled water, balance

Cat. No.	Description	Price
S94591	Whose DNA Was Left Behind? Kit	72.00/Ea



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Health Science

Veterinary Technology

Veterinary Student Dissection Kits

For first year veterinary students.

- Contains instruments required for anatomy class

Veterinary Kit INCLUDES:

- Scalpel handle No. 4
- No. 20 and No. 22 scalpel blades (10 pieces each)
- Tissue forceps with 2 x 3 teeth
- Addison forceps with 1 x 2 teeth
- Thumb Dressing Forceps, 5.5 in. (140mm)
- Hemostatic forceps (Kelly or Criel)
- Dissection scissors 6 in. (152mm), Sharp/Sharp (Two sharp point blades)
- Iris Scissors, 4.5 in. (114.3mm)
- Huber Probe with one end blunt and bent, and other end chisel
- Deluxe Dissection Kit case to hold all tools

**Deluxe Kit INCLUDES:**

- Addison Brown Forceps, 4.5 in. (114.3mm)
- 1 x 2 teeth tissue forceps, 5.5 in. (140mm)
- Dissection Scissor, 5.5 in. (140mm), sharp/blunt
- Kelly forceps, 5 in. (127mm), curved
- Huber Probe
- Scalpel handle No. 4
- Blade No. 22, 10 pieces
- Zippered leatherette case for ten instruments

Cat. No.	Description	Price
S07893	Veterinary Dissection Kit	32.50/Ea
S07892	Deluxe Veterinary Dissection Kit	20.50/Ea

Animal X-Rays

Printed on clear, heavy-duty plastic

- Study similarities and differences between animals
- Examine real x-rays
- Mammals, reptiles, fish, amphibians and birds
- Includes: 14 x-rays, 14 matching picture cards, up to 8 x 10 in. (10 x 25cm) and teacher guide



Cat. No.	Description	Price
S40797	Animal X-Rays	23.25/Ea

Anatomy, Physiology and Medical Technology

Instruments and Kits

Diagnostic Pen Light

For examining eyes.

- Reliable robust construction
- Bright illumination
- Compact size
- 5 in. length

INCLUDES:

2 AAA batteries



Cat. No.	Description	Price
S20671	Diagnostic Pen Light	7.05/Ea

Standard Wood Tongue Depressor

Standard 6 in. adult size tongue blade, made of Northern White Birch.



Use is oral patient examinations and patient care. Use for gathering specimens from a flat surface. For veterinary examinations. CE marked for medical use. Made in USA.

Cat. No.	Description	Price
S80332	Tongue Depressors Pack of 100	12.50/Pk

Bone Shears

- With coil spring
- 5.5 in. long
- Stainless steel with black oxide coating



Cat. No.	Description	Price
S72153	Bone Shears	13.50/Ea

Curved Hemostatic Forceps

Curved forceps feature offset tips for accessing hard-to-reach areas during dissection



Cat. No.	Description	Price
S72120	Curved Hemostatic Forceps	5.00/Ea

Straight Hemostatic Forceps

Straight forceps feature stainless steel precision points



Cat. No.	Description	Price
S72119	Straight Hemostatic Forceps	5.00/Ea

Reflex Hammer

A proper tool for testing the integrity of the patellar tendon and other reflexes



Cat. No.	Description	Price
S72118	Reflex Hammer	5.30/Ea

Blood Pressure Kit

How's your blood pressure today?

Our blood pressure kit includes an aneroid sphygmometer, a stethoscope, extra ear buds, and extra diaphragm, and a carrying case. Use this kit to accurately measure blood pressure or teach your students how to take measurements.



Cat. No.	Description	Price
S24562	Blood Pressure Kit	20.25/Ea

3B Scientific™ Baseline™ Fingertip Pulse Oximeter

Measures and displays real-time pulse and SpO₂ level



Cat. No.	Description	Price
S20764	Baseline Fingertip Pulse Oximeter	54.75/Ea

Economy Suture Pad with Suction Base

To be used practicing suturing skills. Made to simulate skin – can be cut and stitched back together.



Constructed of 3-layers with a skin top layer and a muscle bottom layer.

Cat. No.	Description	Price
S72152	Economy Suture Pad with Suction Base	30.75/Ea

3B Scientific™ MDF™ Bravata Palm™ Aneroid Sphygmomanometer

Durable, accurate, and dependable blood pressure measurement device. The 3B Scientific MDF™ Bravata Palm™ Aneroid Sphygmomanometer has an extra-large gauge with high-contrast dial for easy and accurate readings.

- Lightweight housing and bezel are constructed of high impact absorbing thermoplastic
- Ergonomically-designed palm brace and bulb stabilize manometer and support hand during inflation and air release
- Unsurpassed measurement, convenience and accuracy even in harsh field settings
- Abrasion, chemical, and moisture resistant, adult Velcro™ cuff is constructed of high-molecular polymer nylon
- Cuff is sized to meet American Heart Association recommendations
- Artery indicator label and index range ensure proper cuffing for correct arterial compression
- Single tube seamless inflation bag constructed of crack-resistant, non-sticking, high-density hypoallergenic latex-free PVC
- Universal bladder tube enables compatible cuff exchange with all MDF and other major brands of BP systems

- Chrome plated brass screw-type valve facilitates precise air release rate
- Size: Adult
- Color: Navy Blue

INCLUDES:

Nylon zippered carrying case with Velcro side pocket, ID tag.

WARRANTY:

Three years and lifetime calibration.



Cat. No.	Description	Price
S20680	Aneroid Sphygmomanometer	122.00/Ea

Economy Surgical Suture & Stapling Training Kit

Ideal for medical and veterinary students as well as skilled surgeons. It provides professional practice tools for students to learn techniques of suturing and stapling and surgeons a chance to enhance their skills.

- Ideal for medical and veterinary students as well as skilled surgeons
- Provides professional practice tools for students to learn techniques of suturing and stapling and surgeons a chance to enhance their skills
- The kit contains a medical stapler, staple remover, needle holder, forceps, stitching scissors, disposable scalpel, sutures, and a suturing skin pad all tucked away in a zippered case



Cat. No.	Description	Price
S28745	Economy Surgical Suture & Stapling Training Kit	360.00/Pk

Medical AED Plus™ Trainer2

For CPR and first aid instructors to teach students on saving lives with AED Plus

- Wireless remote to control multiple AED Plus Trainer2 units
- Instructors can set up rescue scenario and download in seconds
- Software easily switches from AHA to ERC 2010 guidelines



ORDERING INFORMATION:
Replacement gels and electrodes available separately.

Cat. No.	Description	Includes	Price
S38759	AED Plus Trainer2 Unit	----	541.00/Ea
S38757	Carrying Bag	----	141.00/Ea
S38760	CPR-D-padz™ Training Replacement Electrode	PR hand placement indicator & one pair of disposable adhesive gels	121.00/Ea
S38761	Replacement Adhesive Gels	5 pairs of pads	41.50/Ea

Capillary Tubes

Indispensable for calculating blood clotting time or determining melting points.

- Made of alkali-free, corrosion-resistant glass
- Extra-thin walls break easily and cleanly
- Good for routine melting point determinations
- Capacity: 30µL
- One sealed end
- 90mm melting-point capillary
- Sold 100 tubes per vial



Cat. No.	Description	Price
S37609E	90mm Melting-Point Capillary Tubes	11.25/Ea

3B Scientific™ Advanced Four-Vein Venipuncture Training Aid™ – Dermalike II™ Latex Free

Model permits the injection of fluids and withdrawal of blood.

Allows user to improve competency and technique by progressing from easier, larger veins to the more difficult, smaller and deeper veins

- Four barely discernable blue veins in three different sizes, with the fourth vein deeply placed in a semi-transparent, tissue-like material
- “Pop” is felt as the needle enters the vein, followed by a realistic “flashback” of simulated blood, confirming the proper needle placement
- Stain-resistant Dermalike™ material offers 50% less needle drag when accessing the underlying veins, improved tear resistance to allow twice as many “sticks,” no “oily/sticky” surface and requires no baby powder
- The blue veins are made of Dermalike V™, a material with properties more similar to real veins, as you do not use excessive force to access the veins compared to the latex tubing still being used by other manufacturers
- Size: 5 × 10 × 1.5 in.



ORDERING INFORMATION:

Carrying case (S07961) sold separately.

Cat. No.	Description	Price
S07959	Light Pigmentation	331.00/Ea
S07960	Dark Pigmentation	331.00/Ea

Glucose Test Strips

Used in biological courses for detection of glucose concentrations.



- Used in osmosis and diffusion experiments, where one is looking for differences in the diffusion of starch when compared to glucose, in a semi permeable membrane system
- Concentration ranges: 0, 100, 300, 1000 and 3000mg/dL

Cat. No.	Description	Price
S80218	Glucose Test Strips	24.25/Ea

LAB-AIDS™ Simulated Urinalysis Kit

Shows the importance of urinalysis as a reflection of body health.

Conduct a routine urinalysis with simulated urine. Test for specific gravity, pH, phosphates, chlorides and glucose levels.



- Use test results to indicate body health and measure kidney function
- Uses simulated urine and chemical reagents
- All bottles are drop-controlled

INCLUDES:

- 15 LAB-AIDS Chemplates™ with spatula
- Three bottles each of simulated urine I, II, III, IV and V
- Three bottles of dilute acetic acid
- Three bottles of dilute silver nitrate
- Three bottles of Benedict's solution
- Five density tubes; one vial of universal indicator paper
- 15 pH color charts
- 30 student worksheets and guides
- Instruction manual with Material Safety Data Sheets

Cat. No.	Description	Price
S19552	Simulated Urinalysis Kit	155.00/Ea

Urinalysis Using Simulated Urine

One of the oldest medical diagnostic tests performed.

Students will:

- Use simulated urine to avoid the unpleasantness of using the real thing
- Perform actual tests used on real urine samples
- Examine simulated urine factors such as pH, color and clarity, as well as test for the presence or absence of proteins, glucose and calcium
- Examine samples microscopically to determine if any crystals are present in the sample



ORDERING INFORMATION: Materials for 15 groups.

INCLUDES:

Teacher's guide, student study guide copymasters, kit with simulated urine samples (250mL each of patient X, patient Y, patient Z, control), Benedict's reagent (25mL), biuret solution (25mL), Sulkowitch's reagent (25mL), pH test strips, microscope slides, coverslips, graduated plastic cups (30mL), graduated pipets (1mL)

REQUIRES: Hot water bath, glass test tubes and compound microscopes (4X/10X/40X)

COMPLIANCE: This package conforms to 49CFR 173.4

Cat. No.	Description	Price
S98668A*	Urinalysis Using Stimulated Urine	63.25/Ea

Artificial Urine

Simulated urine

- Quantity: 500mL
- To identify a variety of physiological conditions with urine test strips
- Set of 4 (Control, with phosphates, albumin, glucose)



Cat. No.	Description	Price
S07905	Artificial Urine	81.00/Ea

Kidneys and Blood Filtration Lab

Learn the role of the kidney in blood filtration and waste removal.

Discover the many functional tasks performed by nephrons.



Students will:

- Create an artificial kidney model to filter simulated blood
- Visually determine if filtration of the simulated blood has occurred
- Chemically test the resulting filtrate to detect any waste material removed by the kidney

INCLUDES:

Materials for 15 groups, kit with simulated unfiltered blood (100mL), dialysis tubing (15 pieces), 15 plastic cups, 15 pipets (1mL), 30 salt test strips, 30 urea test strips

Cat. No.	Description	Price
S98651***	Kidney and Blood Filtration Kit	53.50/Ea

Kemtec™ Tallquist Hemoglobin Scale

Allows quick assessment of patient's blood hemoglobin levels.

Apply blood and allow to absorb into one of the test papers. Compare the color scale to determine the percent and weight of hemoglobin in blood under normal and anemic conditions.

- Includes color chart and 150 test papers
- Grade 9-14

REQUIRES:

Lancets if blood is to be drawn



Cat. No.	Description	Price
S06452	Tallquist Hemoglobin Scale Kit	28.00/Ea



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** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

LAB-AIDS™ Rh Blood-Typing Kit

Determine the presence of the Rh inherited blood factor.

- Students mix a blood sample with the Rh serum and then observe the film for agglutination
- Test requires no warming, and no light box is necessary for viewing
- Contains individualized, sterile components
- Blood-typing serum is bottled in spillproof, drop-controlled vials
- Requires no refrigeration and has no expiration date
- Class size: 32 students



INCLUDES:

Vial of anti-Rh serum, 50 mixing spatulas, 50 presaturated alcohol pads, 50 sterile disposable blood lancets, 50 LAB-AIDS Slide Guides™, complete instruction manual

Cat. No.	Description	Price
S67357	Rh Blood Typing Kit for 32 Students	68.50/Ea

Kemtec™ Blood Typing with Saliva Kit

Students use their own saliva, from which antigen secretors will be able to determine their ABO blood type.

- Provides real antisera for demonstrating true ABO blood typing agglutination reactions
- Enhanced instructor's manual with background information, reproducible student protocols and worksheets and complete answer keys
- Ideal for students in advanced biology, physiology, genetics, forensics, or biochemistry
- Antisera and blood cells are perishable, refrigeration prolongs shelf life
- Includes reply cards for blood cells and lectin
- Materials sufficient for up to 50 tests
- Grades 9-14
- Class size: 24 students



Materials must ship 2nd day air on ice in summer months. Reply card items are only shipped within the continental United States. Cells should be used within 20 days.

INCLUDES:

- Return cards for type A, B, O red blood cells and H Lectin
- Anti-A Serum
- Anti-B Serum
- SDS
- Instructor's manual
- Student data sheet

REQUIRES:

Centrifuge or prolonged settling

Cat. No.	Description	Price
S25080	Blood Typing with Saliva Kit	188.00/Ea

LAB-AIDS™ ABO-Rh Combination Blood Typing Kit

Provides information on several different subjects related to blood typing.

This popular LAB-AIDS product combines all the features of Basic Blood Typing and Rh Blood Typing kits with a specially designed Slide Guide™. Provides information on the history of the blood factors, hereditary determination, individual typing techniques, comparisons of blood types in world populations, and blood typing birth problems.



- Determine ABO blood type and Rh factor
- Correlate agglutination to antigen production
- Observe and study Rh mechanisms and relationships to transfusion and genetics
- Classroom size: 32 students

Note: All sera have been tested for HBs Ag and HTLV-III (AIDS).

INCLUDES:

- 32 Combi-Slide guide
- One of each drop-controlled bottle blood-typing serum, Type Anti-A, Type Anti-B and Type Anti-Rh
- 32 spatulas for Anti-A serum (blue)
- 32 spatulas for Anti-B serum (yellow)
- 32 spatulas for Anti-Rh serum (red)
- 32 pre-saturated alcohol pads
- 32 sterile disposable blood lancets
- 32 student worksheets and guides
- Instruction manual with SDS

Cat. No.	Description	Price
S67359	ABO-Rh Combination Blood Typing Kit	130.00/Ea

LAB-AIDS™ Basic Blood Typing Kit

Students determine their blood type while gaining a basic understanding of tissue incompatibility.

- Introduces students to the study of blood and the four basic blood groups
- Individual sterile components are color coded to simplify procedure and guarantee results
- Blood-typing serum does not require refrigeration
- Class size: 32 students



INCLUDES:

Detailed instructions

Cat. No.	Description	Price
S67356	Basic Blood Typing Kit for 32 Students	99.00/Ea

Blood Typing Anti-Sera, Anti-A, Anti-B and Anti-Rh

For blood typing of real human blood.

- Available in 5mL vials that contain enough antisera for 75 students
- Freeze-dried samples; can be kept without refrigeration
- Shows negative results for Hepatitis B, HIV and EBV when tested with human-derived cell lines



Cat. No.	Description	Price
S07803	Type A, B and Rh	64.00/Ea
S07802	Anti-A and Anti-B	31.75/Ea
S07804	Anti-Rh	32.00/Ea

LAB-AIDS™ Thresholds and Toxicology (Developed by SEPUP) Education Kit

In this module, students examine the historical development of the regulation process. Lab Aids™ Thresholds and Toxicology (Developed by SEPUP) Education Kit provides hands on activity and is issue/phenomenon-based

Module considers a modern day example using “lily juice,” a hypothetical herbal remedy promoted to increase intelligence. Simulated rat toxicity testing provides data that can be analyzed to decide whether the product should be allowed. Acute and chronic health effects are considered in the final decision

- Activities included: 10
- Number of students: 160 total/32 per class period
- Requires 14 to 21 50-minute class period to complete



Concepts Illustrated:

- Humans vary in their responses to different stimuli. The threshold level of a stimulus is the lowest level that provokes a response
- The concentration of a dissolved substance can be expressed in parts per million (ppm) and parts per billion (ppb). Chemical indicators can be used to estimate the concentration of dissolved substances
- Animal testing is often used to help establish positive (therapeutic) and negative (toxic) threshold levels. Both chronic and acute effects must be considered when determining the safety and effectiveness of a product
- Gathering relevant evidence is essential for thoughtful inquiry and good decision making
- Making decisions about complex issues often involves trade-offs and evaluating issues requires an analysis of both risks (costs) and benefits

REQUIRES:

16 SEPUP Trays

Cat. No.	Description	Price
S28732	Thresholds and Toxicology (Developed by SEPUP)	541.00/Ea

Dental X-Rays

Allows exploration of the development of healthy teeth and the intricacies of correcting growing teeth with braces



- X-ray set goes beyond the basics of brushing and flossing
- Gives students an exclusive look at the consequences of tooth injuries and infections of all kinds
- Reminds athletes about the importance of mouth guards
- Includes: 15 x-rays and guide.

Cat. No.	Description	Price
S40793	Dental X-Rays	20.25/Ea



True to Life Human X-Rays

Reproduce the entire body of a young adult, 5 ft. (1.5 m) tall

- Life-size human x-rays
- Hold up to a light or use on a light table to see every authentic detail of a real skeleton
- Teacher guide includes reproducible artwork and information on radiography
- Includes: 18 X-rays, reproducible worksheets and guide



Cat. No.	Description	Price
S40786	True to Life Human X-Rays	31.75/Ea

Four Fractures

Introduce students to the science of bones and the principles behind x-rays and radiation

- Show femurs with transverse, oblique, spiral and comminuted fractures
- Ideal for use with a light table
- Includes 4 x-rays, 8 × 10 in. (20 × 26.5cm) and guide



Cat. No.	Description	Price
S40787	Four Fractures	13.00/Ea

Human Models and Simulators

Anatomy Model Sets

Helps students gain a deeper understanding of how organs and systems interact.

Ideal for human body centers focusing on major organs or the circulatory, nervous or skeletal systems. Each realistically detailed plastic model includes a display stand and guide with facts and step-by-step, photo-illustrated assembly instructions.

Brain (S95867)

- Features cerebellum, frontal lobe, parietal lobe, temporal lobe, occipital lobe, corpus callosum, brain stem, hippocampus, ventricles, insula, corpus striatum, internal capsule and lentiform nucleus
- 31-piece model measures 3.75 in.H (9.75cm) when assembled

Human Body (S95868)

- Features brain, skull, heart, rib cage, lungs, liver, stomach, pancreas, kidneys, small intestine, large intestine and spine
- 31-piece torso model measures 4.5 in.H (11.4cm) when assembled

Skeleton (S95869)

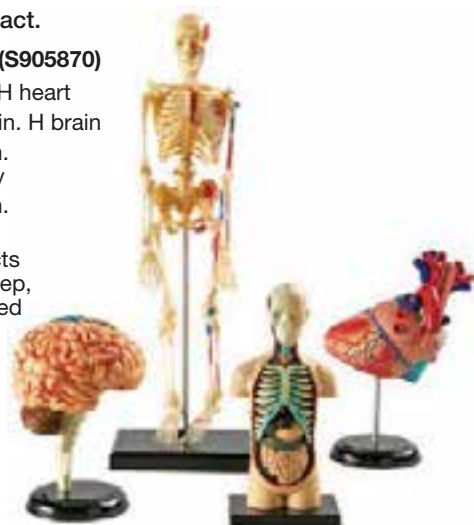
- Features skull, rib cage, humerus, spinal column, radius, ulna, hand, pelvis, femur, tibia, fibula, foot and partial circulatory system
- 41-piece model measures 9.2 in.H (23.4cm) when assembled

Anatomy Model (S905870)

- 29-parts 5 in. H heart
- 31-parts 3.75 in. H brain
- 31-parts 4.5 in. H human body
- 41-parts 9.2 in. H skeleton
- Guide with facts and step by step, photo-illustrated assembly instructions

ORDERING INFORMATION:

Grades 3+.
Display stand included.



Cat. No.	Description	Price
S95867	Brain Anatomy Model	28.50/Ea
S95868	Human Body Anatomy Model	28.50/Ea
S95869	Human Skeleton Model	28.50/Ea
S95870	Anatomy Model Set	100.00/Ea

Thin-Man Model Anatomical Presentation of Life-Size Overlays

Human anatomy illustrated in layered form.

This near-life-size set of charts and transparent overlays gives the clarity of a three-dimensional model and the equivalent of seven anatomical charts.

- One side of the chart shows the skeleton and nervous system
- Opposite side shows full frontal view of the body, plus four overlays
- All overlays together offer complete front view of the body's musculature
- Each overlay, when raised, reveals the next deeper layer of anatomy
- More than 200 anatomical parts are named, indexed and keyed

- Durable transparencies can be marked with grease pencils or washable ink pens
- Charts mounted on a sturdy, 63 in. (160cm) metal stand
- Lightweight for easy maneuverability

Cat. No.	Description	Price
S17091	Thin Man Overlaying Anatomy Chart	528.00/Ea



3B Scientific™ Torso with Head

Teach anatomy in great detail.

Made of top-quality plastic to withstand many years of handling.

12-Part Model

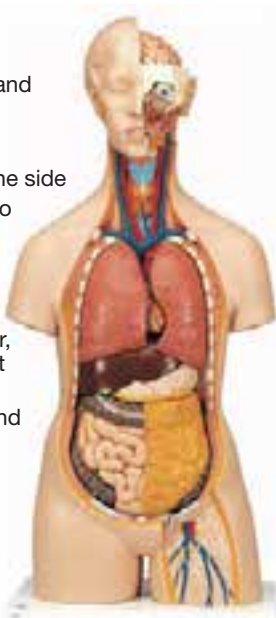
- Head shows skull and brain on one side
- Lungs and heart show junctions to the major vessels
- Front heart wall comes off to show inner chambers
- Exhibits entire intestinal system including the liver with gallbladder, pancreas and removable two-part appendix flap
- All parts numbered and correspond to supplied key card to aid in lesson preparation

14-Part Model

- All parts are numbered to correspond to supplied key card — helps you plan class lessons and projects
- Removable head with the skull and brain exposed on one side
- Two-part removable eye with optic nerve
- Two lungs and a heart show junctions to major vessels
- Front heart wall is removable
- Shows entire intestinal system, including a pancreas and a removable appendix flap (two parts)
- Front halves of the kidney and bladder detach to show how they function

18-Part Model

- Removable head with nose and mouth cavities, pharynx, skull base with the rear of the skull exposed and detachable six-part eyeball with optic nerve
- Skull has removable four-part half brain with arteries
- Lower cutaneous layers removed on half of the face to show mandible, dentition, musculature, nerves and blood vessels
- Removable stomach, liver and gallbladder, small and large intestines and pancreas
- Two-part heart with detachable front wall
- Neck and back are open from the cerebellum to the sacrum, with removable seventh thoracic vertebra



3B Scientific™ Deluxe Human Torsos

28- or 24-part models are precision-crafted and hand-painted.

- Detailed brushwork by dedicated artisans depicts the most life-like colors of internal organs
- Removable internal organs are meticulously molded to fit securely into their proper anatomical positions, removing unnatural gaps
- Made of unbreakable, vinyl plastic for durable, long-lasting use
- Male and female genital organs can be interchanged
- Mounted on a sturdy base for support
- Dimensions: 14.96 × 9.84 × 34.25 in. (38 × 25 × 87cm)



INCLUDES:

Both models include:

- Three-part removable head with partially exposed mouth and nasopharynx, half brain and arteries
- Two-part stomach
- Female breast plate with rib insertions
- Right and left lungs
- Two-part heart
- Liver with gallbladder
- Three-part large intestine with appendix flap
- Small intestine
- Front half of kidney
- Four-part male genital insert
- Three-part female genital insert with embryo
- Instruction guide

28-part model also includes:

- Open neck and back to study vertebrae, intervertebral discs, spinal cord, spinal nerves and vertebral arteries
- Removable seventh thoracic vertebra
- Eye with optic nerve
- Four-part brain

Cat. No.	Description	Price
S17150H	12-Part Torso with Head	644.00/Ea
S17150C	14-Part Torso with Head	744.00/Ea
S171454	18-Part Torso with Head	866.00/Ea

Cat. No.	Description	Price
S17150A	Deluxe Dual Sex Torso Model	1221.00/Ea
S17139	Deluxe Dual Sex Torso with Opened Back Model	1373.00/Ea



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Eisco 24-Part Human Torso Model with Interchangeable Sex Organs

Dual sex model detailing human upper body anatomy with open back.

- Life-size cut away spine showing head with nasal and buccal cavity, half brain, eye with optic nerve
- Removable female breast with rib insertions, heart in two parts, two-lung halves, liver with gall bladder, two-part stomach, large and small intestines with appendix flap opening and cover, half of kidney
- Male genital organs in four parts and female genital organs in two parts with embryo in third month of pregnancy
- Back shows vertebral column, spinal cord with nerve endings and removable seventh cervical vertebra
- Base mounted and numbered with English Key Card
- L x W x H: 38 x 24 x 89cm (15 x 9.5 x 35 in.)



Cat. No.	Description	Price
S15533	Eisco 24-Part Human Torso Model with Interchangeable Sex Organs	945.00/Ea

3B Scientific™ 33-Part Muscular Model

Comprehensive anatomy study.

Make sense of human anatomy with this one-half life-size model featuring 33 parts and interchangeable reproductive organs.

- Anatomical details conform closely to the human body
- Shows superficial and deep muscles, vessels and nerves and internal organs
- Mounted on stand
- Dissectible parts: body, calvarium (skull), brain, stomach, liver, partial intestine with flap, female genitals, male genitals, eight muscles of the left leg and right arm and left arm and five muscles
- Removable arms, muscles, calvarium and thoracic cover
- Height: 33 in. (82.5cm)

Also available as a 20-Part Female Model, with all of the above components except inner organs and male genitals



Cat. No.	Description	Price
S17150D	33-Part Muscular Model	3824.00/Ea

3B Scientific™ Muscle Torso, Two-Sex, with Pregnancy Insert

Two-sex model has 31 removable parts.

- Head with nose and mouth cavity
- Pharynx with skull base exposed on one side
- Four-part brain half with arteries
- Six-part eyeball with optic nerve
- Deltoids, chest and belly covering with both superficial and deep musculature
- Two lungs
- Heart with junctions to the major vessels and detachable two-part front heart wall
- Two-part front and rear half of a stomach
- Liver, gallbladder and small intestine
- Entire intestinal system with a pancreas
- Three-part transverse colon with an appendix flap and front kidney half
- Three-part female genital insert with removable fetus in the third month of pregnancy
- Four-part male genital insert with a removable penis
- Back and neck opened from cerebellum to sacrum, with removable seventh thoracic vertebra
- Gluteus maximus



Cat. No.	Description	Price
S17150F	Muscle Torso, Two-Sex, with Pregnancy Insert	3128.00/Ea

3B Scientific™ Mini-Musculature Figure Model

One-quarter life-size with full-size value.

Our Mini-Musculature Figure Model stands only 22.5 in. (56.3cm) tall, yet provides big value.

- Two-part model gives accurate, detailed representation of the male muscular system
- Depicts and numbers superficial and deep muscles and tendons, blood supply and drainage and major nerves
- Shows female mammary gland on the detachable thoracic/abdominal torso covering
- All major internal organs appear lifelike and have numbered parts keyed to the manual



Cat. No.	Description	Price
S17151	Mini-Musculature Figure Model	753.00/Ea

3B Scientific™ Muscular Anatomy Model

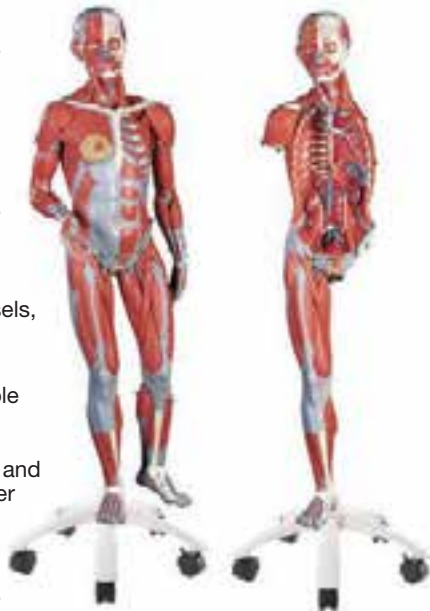
For anatomical studies

- Mounted on a roller stand for portability
- Supplied with a detailed key card
- 3/4 life size

23-Part Model

Designed primarily for studies of the musculature since it has no removable internal organs.

- Head with removable calvarium
- Trunk with a right leg and portion of a right shoulder
- Right arm
- Left arm with five removable muscles
- Thoracic and abdominal cover
- Two-part female genitalia
- Left leg with eight removable muscles



45-Part Model

Models the human muscular system, vessels, nerves and partly dissectible organs.

- Head with removable calvarium and three-part brain
- Trunk with right leg and portion of a shoulder
- Right arm
- Left arm with scapula and five removable muscles
- Left leg with eight removable muscles
- Thoracic and abdominal wall
- Right mammary gland
- Lungs, four parts
- Thymus
- Heart, two parts
- Diaphragm
- Liver with gallbladder
- Stomach, two parts
- Duodenum and pancreas
- Male genitalia, four parts
- Female genitalia, two parts

Cat. No.	Description	Price
S17168A	23-Part Muscular Anatomy Model	7892.00/Ea
S17168	45-Part Muscular Anatomy Model	8484.00/Ea

3B Scientific™ Muscular Arm

Six-part, three-quarter life-size left arm to study musculature.

- Provides a detailed view of superficial and subjacent muscles, tendons, vessels, nerves, and bones of the hand, arm and shoulder
- Five removable muscles aid in the understanding of the muscular process
- Height: 22.75 in. (57.8cm)

INCLUDES:

Stand



Cat. No.	Description	Price
S17136	Muscular Arm	641.00/Ea

3B Scientific™ Deluxe Muscular Arm Model

Life-size six part muscular arm model with detachable muscles.

Detachable muscles:

- Deltoid muscles
- Biceps muscle of arm
- Triceps muscle of arm
- Long palmar muscle with radial flexor muscle of wrist
- Brachioradial muscle with radial extensor muscle of wrist



Cat. No.	Description	Price
S07922	Deluxe Muscular Arm Model	1121.00/Ea

Eisco 6-Part Muscular Arm Model

Dissectible muscular arm model for anatomical study.

- Demonstrates six parts including muscles, tendons, blood vessels and nerves of the arm, hand and shoulder
- Five muscles detachable to reveal structure down to bone
- Mounted on base
- Numbered with English Key Card



Cat. No.	Description	Price
S15589	6-Part Muscular Arm Model	338.00/Ea



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Eisco 9-Part Muscular Leg Model

Dissectible Life size model with nine parts.

- Nine - Part model: 30 in. tall
- Shows all muscles, tendons, nerves, blood vessels and bones of leg and foot
- Parts can be removed for detailed study
- Mounted on base numbered with English key card



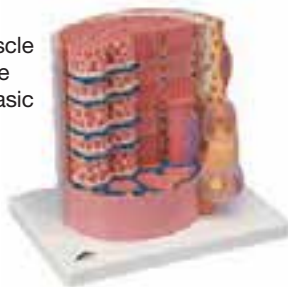
Cat. No.	Description	Price
S15591	9-Part Muscular Leg Model	710.00/Ea

3B Scientific™ MICROanatomy™ Muscle Fiber Model

Magnified 10,000 times.

Illustrates a section of a skeletal muscle fiber and its neuromuscular end plate magnified. The muscle fiber is the basic element of the diagonally striped skeletal muscle.

Dimensions: 9.4 × 10.4 × 7.4 in.
(23.5 × 26 × 18.5cm)



Cat. No.	Description	Price
S68279	Muscle Fiber Model	336.00/Ea

3B Scientific™ Functional Joint Models

Life-size, vinyl plastic ligamented joint models simulate actual joint movement.

- Medical-quality joints have ligaments that actually stretch
- Demonstrate abduction, anteversion, retroversion, internal/external rotation, and more
- **Shoulder Joint** consists of the scapula with part of the clavicle and the top portion of the humerus
- **Elbow Joint** consists of a portion of the upper arm with a complete radius and ulna
- **Hip Joint** demonstrates rotations of the femoral head in the socket
- **Knee Joint** consists of part of the femur, and upper parts of the tibia and fibula



Cat. No.	Description	Price
S171342	Functional Shoulder Joint Model	110.00/Ea
S171341	Functional Elbow Joint Model	110.00/Ea
S171343	Functional Hip Joint Model	110.00/Ea
S171344	Anatomical and Cellular Human Functional Knee Joint Bio Model	110.00/Ea

3B Scientific™ Deluxe Functional Joints

High-quality life-size functional models for demonstrating anatomy and joint motion.

- Naturally sized right joints with ligaments
- Show the anatomy and possible physiological movements
- Cartilage on the joint colored blue
- Mounted on a base
- **Shoulder Joint:** Consists of shoulder blade, collarbone and upper arm stump, 8.6 in. (22cm)
- **Hip Joint:** Consists of thigh stump and hip bone, 12.5 in. (32cm)
- **Knee Model:** Consists of thigh stump, shinbone stump, calf bone stump, menisci and patella, 12.5 in. (32cm)
- **Elbow Joint:** Consists of upper arm stump, ulna and radius, 12.9 in. (33cm)



Cat. No.	Description	Height (English)	Price
S90787	Knee	12.59 in.	161.00/Ea
S90785	Shoulder	8.7 in.	161.00/Ea
S90786	Hip	12.5 in.	161.00/Ea
S90788	Elbow	12.99 in.	161.00/Ea

3B Scientific™ Heavy-Duty Dust Covers

Protect your torso model or skeleton with this heavy-duty protective cover.

- Protect your investment with this heavy-duty cover
- Black with transparent window
- Zippered



Cat. No.	Description	Price
S98704	Skeleton Cover	53.75/Ea
S98705	Torso Cover	66.25/Ea

3B Scientific™ Deluxe Human Skeleton

Medical-grade skeleton works for both instructional illustration and chiropractical demonstration.

Highly detailed, unbreakable plastic model is natural cast and presents muscle paintings, joint ligaments, numeration of bones and flexible spine with nerve endings.

- Deluxe skull is dissectible into calvarium, base of skull and lower jaw
- Position and spacing of teeth are reproduced from a natural denture
- Special mounting of rib cage maintains proper positioning
- Detachable skull, left arm and leg
- Right side presents muscle insertions in blue and origins in red; left side of skeleton displays more than 300 nominated bones, fissures and foramina
- *M. iliocostalis* and *M. longissimus* are color-contrasted for clarity
- Shoulder, elbow, hip and knee of the right side provided with life-like ligaments and movable joints
- Flexible spine allows natural movement and features a herniated disc, protruding nerves and vertebral artery
- Rotation and movement of skull on first and second cervical vertebrae can also be demonstrated
- Available mounted with pelvic mount or on hanging stand
- Height: 67 in. (170cm)

INCLUDES:

- Dust cover
- Manual

Cat. No.	Description	Price
S171563	Pelvis Mount on Roller Stand	1182.00/Ea
S171564	Hanging Roller Stand	1176.00/Ea
S17138A	Skeleton with Muscle Origins and Insertions; Height: 66.9 in.	905.00/Ea
S07912	Skeleton with Muscle Origins and Insertions; Height: 75.8 in.	780.00/Ea

Skeleton with Muscle Origins and Insertions

Shows structural interaction between bones and muscles.

Includes all features of adult skeleton (S17133B) with the addition of color to the right half of the skeleton to show muscle origins and insertions. The perfect model for advanced human physiology courses, its tough vinyl plastic construction holds up to classroom use.

- On left side of skeleton over 600 structures, such as muscle origins (red), insertions (blue) are shown
- Hand-numbered bones, fissures and foramina are shown on right side
- Made from durable, unbreakable synthetic material
- Mounted on a stable metal hanging stand with five casters
- Natural size, anatomically correct and realistic weight of around 200 bones
- Three part assembled skull
- Individually inserted teeth
- Removable limb
- Height: 169.9cm (66.9 in.)
- Weight: 7.2kg (15.87 lb.)



3B Scientific™ Flexible Human Skeleton Model

Medical-grade, natural-cast skeleton suitable for instructional and chiropractical demonstrations.

- Made from unbreakable plastic material for classroom durability
- Deluxe skull is dissectible into three parts: calvarium, base of skull and lower jaw
- Position and spacing of teeth are reproduced from a natural denture
- Upper and lower extremities are flexibly mounted and removable
- Flexible spine allows almost all natural movements and features a herniated disc, protruding nerves and vertebral artery
- Rotation and movement of the skull on first and second cervical vertebrae can be demonstrated as well
- Height: 70 in. (177.8cm)

INCLUDES:

- Roller stand
- Dust cover

Cat. No.	Description	Price
S171562	Flexible Human Skeleton Model	777.00/Ea



3B Scientific™ Adult Human Skeleton

Premier line of skeletal models offers educators medical-grade quality.

- Made of durable, unbreakable, washable plastic material
- Natural movements can be demonstrated with detachable arms and legs
- Detachable skull is divisible into three parts: calvarium, base and lower jaw

Life-Size Skeleton

- Measuring 70 in. (170cm) tall, this pelvic-mounted model is an exact reproduction, natural cast from bones of an adult male
- Special mounting of the rib cage allows the skeleton to maintain proper positioning
- All joints are properly articulated and wired, including the lower jaw, which articulates by means of springs
- Comes complete with roller stand and dust protection cover



Mini Skeleton

- Half natural size: 33 in. (80cm)
- Carefully reproduced to keep all anatomical details and structures
- Hip joints are specially mounted so their natural rotation can be demonstrated

Cat. No.	Description	Height (English)	Price
S17133B	Life Size	69.5 in.	407.00/Ea
S17137	Mini	8.77 in.	557.00/Ea

Eisco Human Skeleton Painted Model

Shows muscle origin in red and insertion in blue along left side.

- Quality hardware allows easy movement of major joints
- Three part skull is removable for closer study of jaw and teeth
- Arms and legs can be removed for storage and study
- Mounted on sturdy stand (152.4cm (60 in.) tall) with free rolling wheels
- Includes key card calling out 167 muscle features



Cat. No.	Description	Price
S15623	Human Skeleton Painted Model	634.00/Ea

Eisco Rod-Mounted Human Skeleton Model

Provides incredibly high amount of realism and detail for students examining human skeleton.

- Pinned joints allow for demonstration of limb movements to showcase how skeletal system interacts during motion
- Stands 170cm tall
- Mounts on wheeled base for easy movement
- Three part skull with movable lower jaw



Cat. No.	Description	Price
S09580	Rod-Mounted Human Skeleton	455.00/Ea

3B Scientific™ Disarticulated Human Skeleton

Supports individual study and authentic assessment.



Made of durable plastic, skeleton kit includes all of the bones from an adult male skeleton.

- Show how each bone functions and fits amid the larger scheme of the body's framework
- Examine individual bones, as opposed to a fully assembled skeleton
- One hand and one foot are articulated with wire to show correct orientation of the bones
- Second hand and foot are disarticulated and packed in their own plastic bag
- Jaw is articulated with the aid of a spring
- All 24 vertebrae are strung together with a nylon cord to maintain proper sequence; the coccyx is also wired
- All 24 ribs are contained in a plastic bag
- All other bones, including the hyoid and the upper and lower extremities, are packed in a carton
- Skull's calvarium is sectioned horizontally for intercranial studies
- Weight: 10.58 lb.

Cat. No.	Description	Price
S17131B	Disarticulated Human Skeleton	498.00/Ea

Eisco Human Skeleton Miniature Model With Stand

Miniature model for classrooms.

- Model gives general idea of bones
- Mounted on stand
- Height: 51cm (20 in.)



Cat. No.	Description	Price
S15583	Miniature Human Skeleton With Stand	115.00/Ea

3B Scientific™ Pelvis Skeleton

Illustrate the difference between the male and female pelvis.

Both nondissectible models consist of two innominate bones, sacrum with coccyx and two lumbar vertebrae. Female model has a flexible symphysis.



Cat. No.	Description	Price
S171123	Male Pelvis Model	85.00/Ea
S171124	Female Pelvis Model	83.00/Ea

United Scientific™ Human Skeleton Model

Half-size model for demonstrating basic anatomical features of human skeleton

- Carpals and tarsals are fused, but rest of skeleton has natural movement in joints
- Heavy metal base adds extra measure of stability while skeleton is constructed of rugged plastic
- Features unbreakable ribs, stainless steel screws, brackets and springs to resist corrosion
- Detailed key included

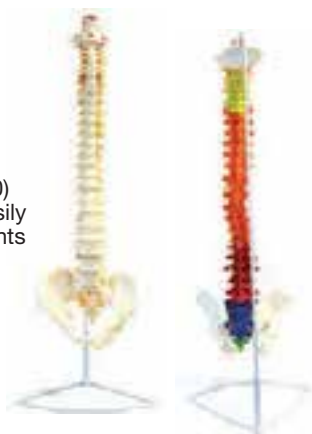


Cat. No.	Description	Price
S13132	Human Skeleton Model	73.75/Ea

Eisco Human Life Size Spine Models

This life size fully flexible spine model details the spinal nerve branches, vertebral arteries, and the L3-L4 intervertebral disc.

- Color-coded model (S13500) is didactically colored to easily distinguish spinal components



Cat. No.	Description	Price
S13499	Standard Model	122.00/Ea
S13500	Color-Coded Model	142.00/Ea

3B Scientific™ Beauchene 22-Part Adult Human Skull Model

Can be disassembled into 22 individual bones.

The human skull consists of many individual bones that gradually grow together as development proceeds. This popular model makes the complex anatomical structure of the skull easy to understand. Easily disassembled, the individual bones can be reassembled by means of inconspicuous, stable connectors attached at the slightly simplified skull sutures. All 22 bones are depicted in their natural bone color in this "Exploded Human Skull."

- Natural cast
- Dimensions: 8.3 × 5.5 × 6.3 in. (21 × 14 × 16cm)

Includes the following individual bones:

- Parietal bone (left and right)
- Occipital bone
- Frontal bone
- Temporal bone (left and right)
- Sphenoid bone
- Ethmoid bone
- Vomer bone
- Zygomatic bone (left and right)
- Upper jaw (maxilla) with teeth (left and right)
- Palatine bone (left and right)
- Nasal concha (left and right)
- Lacrimal bone (left and right)
- Nasal bone (left and right)
- Lower jaw (mandible) with teeth



Cat. No.	Description	Price
S98674	Didactic Colored Adult Human Skull Model	573.00/Ea

Eisco Human Life Size Skull Color Coded Model

This life size skull is hand painted and comes in 3 parts.



Cat. No.	Description	Price
S13501	Color-Coded Life Size Skull Model	85.00/Ea

Eisco Human Skull Model

Demonstrates all major structures and bones of human skull.

- Realistic model
- Three parts with movable lower jaw and removable skull cap



Cat. No.	Description	Price
S15624	Human Skull Model	86.00/Ea

Eisco Prehistoric Man Skull Set

Set of six natural sized replicas of prehistoric skulls.



- Prehistoric man
- Natural sized replica of prehistoric skulls
- Includes: Afarenis cranium, Africanus cranium, Habilis cranium, Erectus cranium, Neanderthalensis cranium and Steinheim skull

INCLUDES:

Afarenis cranium, Africanus cranium, Habilis cranium, Erectus cranium, Neanderthalensis cranium and Steinheim skull

Cat. No.	Description	Price
S15607	Prehistoric Man Skull Set	242.00/Ea

3B Scientific™ Half of Head and Neck

See both internal and external features.

Two-sided, life-size vinyl plastic model shows both internal and external features of the head and neck.

- One side demonstrates musculature and the most important surface arteries, veins and nerves
- The opposite side shows a median section illustrating inner anatomy
- Nondetachable model mounted on stand with base
- Dimensions: 9 × 7 × 18 in. (22.5 × 17.5 × 45cm)



Cat. No.	Description	Price
S171061	Half of Head and Neck Model	486.00/Ea

3B Scientific™ MICROanatomy™ Bone Structure

Extremely detailed model shows a typical structure of a tubular bone enlarged 80 times.



Three-dimensional section of a lamellar bone with typical elements identified to help understand its structure and function with the characteristic osteons, also referred to as Haversian systems.

- Shows various planes in cross and longitudinal section through all levels of the bone
- Displays two-plane section through the inner structure of the bone marrow
- Graphically illustrates the interplay of components, such as spongy and compact substance, endosteum, cortical substance, osteocytes and Volkmann and Haversian canals
- Supplied on base
- Dimensions: 10.1 × 7.4 × 5.7 in. (26 × 19 × 14.5cm)

Cat. No.	Description	Price
S90774	Bone Structure Model	183.00/Ea

3B Scientific™ Brain Models

Different separations of the brain expose different levels of detail and complexity.



- Vinyl plastic models are nonbreakable and natural cast
- Rest on a form-fitting molded base
- Dimensions: 5 × 6 × 5 in. (12.7 × 15.2 × 12.7cm)

Two-Part Brain (S17108)

- Median section divides brain into two sections

Two-Part Brain (S98678)

- Structures of the brain shown in one color
- Provides an introduction to the human nervous system and anatomy of the brain
- Delivered on a removable base

Four-Part Brain (S17109)

- Median section dissectible into two vertical halves
- Right half is dissectible into brain lobe and brain stem with occipital lobe

Eight-Part Brain (S17110)

- Each median section is dissectible into frontal with parietal lobes, temporal with occipital lobes, half of cerebellum and half of brain stem
- Superb coloration highlights variety of brain systems

Cat. No.	Description	Price
S17109	Four-Part Brain	255.00/Ea
S17108	Two-Part Brain	154.00/Ea
S17110	Eight-Part Brain	299.00/Ea
S98678	Two-Part Brain	120.00/Ea

Eisco 4-Part Human Brain Model

Four parts support a deeper understanding of brain anatomy.

- Median section of human brain
- Right section shows cerebellum and the stem with occipital lobe
- Features numbered
- Supported on base

INCLUDES:

English Key Card



Cat. No.	Description	Price
S95928	4-Part Human Brain Model	107.00/Ea

Human Heart/Brain Cross-Section Models

Colorful foam model comes apart to create a cross section view for hands-on classroom demonstrations.

- Included activity guides provide activity ideas, facts and detailed information on the function of the structure being modeled
- Key structures are labeled on one half of the model with the other half left unlabeled for testing purposes



Cat. No.	Description	Price
S90818	Human Heart Cross Section Model	21.50/Ea
S90819	Human Brain Cross Section Model	21.50/Ea

3B Scientific™ 6-Part Human Eye Model

Dissects into sclera with cornea and eye muscle attachments, choroid with iris and retina, lens and vitreous humour. 3B Scientific™ 6-Part Human Eye Model is three times full size for optimal

Dissects into several parts:

- Both halves of sclera with cornea and eye muscle attachments
- Both halves of the choroid with iris and retina
- Lens
- Vitreous humour



ORDERING INFORMATION:

Dimensions (L × W × H): 3.5 × 3.5 × 5.9 in. (9 × 9 × 15cm). Weight: 3.5 oz. (0.1kg).

INCLUDES:

Base

Cat. No.	Description	Price
S17118C	6-Part Human Eye Model	131.00/Ea

Eisco Human Eye Model in Bony Orbit

Enlarged eye model for detailed anatomical studies.

- Nine parts in bony orbit
- Removable upper half eye ball and dissectible into six parts
- Two muscles controlling the eyeball are removable
- Mounted on base
- Numbered with English Key Card
- Size: approx. 33L × 23W × 20cm H (12.9 × 9 × 7.8 in.)



Cat. No.	Description	Price
S15546	Human Eye Model in Bony Orbit	189.00/Ea

Eisco 7-Part Human Eye Model

Three times life size for hands-on exploration of the eye.

- Upper half of sclera with cornea and eye muscle attachments
- Both choroids with iris and retina
- Lens and vitreous humor are removable
- Features numbered
- Supported on base



INCLUDES:

English Key Card

Cat. No.	Description	Price
S95929	7-Part Human Eye Model	86.00/Ea

Auditory Ossicles

Life-size, embedded replicas of middle-ear bones — the malleus (hammer), incus (anvil) and stapes (stirrup) — cast from human specimens.



Cat. No.	Description	Price
S17835	Auditory Ossicles	95.00/Ea

Soft Foam Cross-Section Eye Model

Open up nature for inner exploration.

- One side shows the name of each part; other side is labeled only with letters so kids can quiz themselves
- Features cornea, iris, pupil, retina, lens, optic nerve, vitreous humor, sclera, choroid, macula ciliary muscle, optic disc and zonules
- Measures 5 in. diameter



ORDERING INFORMATION:

Grades 2+.

INCLUDES:

Activity Guide with lots of facts and a reproducible eye diagram to label.

Cat. No.	Description	Price
S95872	Soft Foam Cross-Section Eye Model	21.50/Ea

3B Scientific™ Blood Circulatory System, Master Series™

See a schematic presentation of blood circulation.

- Detailed schematic of circulatory system in raised relief is approximately one-half life size
- Dimensions: 13 × 22 × 2 in. (32.5 × 55 × 5cm)



Cat. No.	Description	Price
S171262	Blood Circulatory System Master Series	366.00/Ea

3B Scientific™ 4-Part Enlarged Ear

The complex functions of the ear exposed.

This rugged vinyl plastic model shows the outer, middle and inner ear.

- Enlarged approximately three times life size
- Mounted on a board
- Dimensions: 13 × 7 × 7.5 in. (32.5 × 17.5 × 18.8cm)



Separates into four parts:

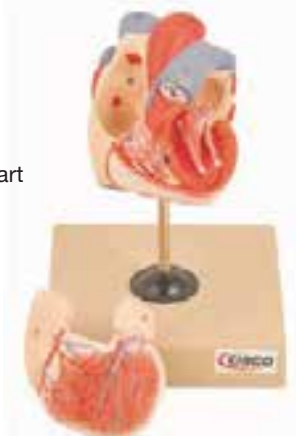
- Removable eardrum with hammer and anvil
- Labyrinth with cochlea
- Auditory/balance nerve (two-part)

Cat. No.	Description	Price
S17124	4-Part Enlarged Ear	166.00/Ea

Eisco Hand Painted Human Heart Model — Life Size

Portion of the heart removes for further study of the heart.

Numbered hand painted human heart model on base. Identification key card included



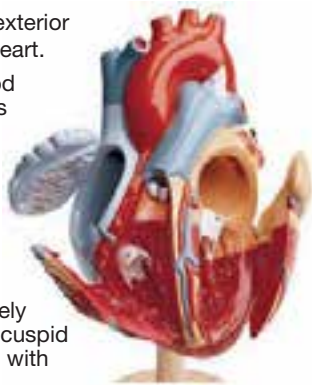
Cat. No.	Description	Price
S15622	Life Size Painted Human Heart Model	58.75/Ea

The Heart of America

Provides students with an accurate, lifelike view of the heart.

Twice life size, the model shows exterior and interior views of the human heart.

- Model mounted on a hardwood pedestal support 45 structures permanently hand-numbered and keyed to accompanying reference manual for easy memorization
- Three easy-access flaps flip open to allow internal study of the heart
- Chambers and valves accurately reproduced to scale Lifelike bicuspid and tricuspid valves equipped with flexible chordae tendineae
- Dimensions: 7 × 7 × 15 in. (17.5 × 17.5 × 37.5cm)



Cat. No.	Description	Price
S171572	Heart of America	644.00/Ea

3B Scientific™ MICROanatomy™ Artery and Vein

14 times larger than life.

Model illustrates the reciprocal anatomical relationship of artery and vein, and the basic functional techniques of the venous valves.

- Medium-sized muscular artery has two adjacent veins from the antebraichial area with adjoining fat tissue and muscle
- Left vein and middle artery are fenestrated in upper anterior segment to reveal wall structure in a cross section, longitudinal section and top view
- Right vein is open throughout anterior segment to display the orifice of a feeder vein and two venous valves
- Relief of two veins illustrates functional aspect of the venous valves
- Dimensions: 10.4 × 7.6 × 7.4 in. (26 × 19 × 18.5cm)



Cat. No.	Description	Price
S90777	Artery and Vein Model	391.00/Ea

3B Scientific™ Nervous System

This nervous system relief model shows a schematic representation of the central and peripheral nervous system.

This relief model is securely mounted on a firm backing. It features a schematic presentation of the central and peripheral nervous systems of Homo sapiens. It has no removable parts, so it will remain intact for many years. The model is approximately one-half life size. Dimensions are 32 × 13 × 2 in.



Cat. No.	Description	Price
S171131	Nervous System Model	469.00/Ea

3B Scientific™ Lungs with Heart, Diaphragm and Larynx, Master Series™

Life-size model has many removable parts.

Displays the viscera of the thorax.

- Durable vinyl construction
- Mounted on base for display
- Dimensions: 16 × 12 × 5 in. (40 × 30 × 12.5cm)

Contains the following removable parts for added anatomical detail:

- Two-part larynx
- Trachea with bronchial tree
- Two-part heart
- Subclavian artery and vein
- Vena cava
- Aorta
- Pulmonary artery



- Esophagus
- Two-part lung (front halves removable)
- Diaphragm

Cat. No.	Description	Price
S171155	Lungs with Heart, Diaphragm and Larynx, Master Series	604.00/Ea



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3B Scientific™ CT Bronchial Tree with Larynx and Transparent Lungs

Created using computer tomography data of a human male.

This unique model preserved the natural spatial 3-D relations and the reciprocal location of the segmental bronchi.



- Larynx with hyoid bone and epiglottis, and the trachea with primary and lobar bronchi are depicted in one color
- Larynx is detachable at the second tracheal cartilage and divisible in the median plane
- Epiglottis is mounted flexibly
- The various segmental bronchi are made of elastic material and depicted in various transparent colors so that they are easier to distinguish visually
- Dimensions: 22 × 18 × 37cm (8.8 × 7.2 × 14.8 in.)

Cat. No.	Description	Price
S06777	With Larynx and Transparent Lungs	802.00/Ea
S68295	With Larynx	573.00/Ea

Nine-Liter Wet Spirometer

Specially designed to meet the needs of today's physiology teachers.

This academic-quality wet spirometer combines reliability and accuracy with an increased volume to accommodate students with larger lung capacities.



- Large, easy-to-read scale graduations
- Includes disposable mouthpieces and a one-way plastic valve for sanitary classroom use
- Made of lightweight, yet durable, high-density polyethylene (HDPE) plastic and aluminum

Determine Five Different Respiratory Volumes:

- Tidal Volume (TV)
- Inspiratory Capacity (IC)
- Inspiratory Reserve Volume (IRV)
- Expiratory Reserve Volume (ERV)
- Vital Capacity (VC)

Cat. No.	Description	Price
S65066	Student Wet Spirometer	984.00/Ea
S17046A	Mouthpiece	85.00/Pk

3B Scientific™ MICROanatomy™ Kidney

Extremely detailed model shows the morphologic/functional units of the kidney.

Six model zones illustrate the fine tissue structures that serve the production of urine.



- Longitudinal section of the kidney
- Section of the renal cortex and renal medulla
- Wedge-shaped section of a kidney lobe with a diagrammatic depiction of three nephrons with Henle's loops of different lengths and diagrammatic depiction of the vascular supply
- Diagrammatic illustration of a nephron with a short Henle's loop and didactic/diagrammatic illustration of the vascular supply
- Diagrammatic illustration of an opened renal corpuscle with nephron and light-microscopic transverse sections of the proximal, attenuated and distal segments of a renal tubule
- Diagrammatic and didactic illustration of an opened renal corpuscle
- Dimensions: 9.2 × 9.9 × 7.4 in. (23.5 × 25.5 × 19cm)

Cat. No.	Description	Price
S90780	Kidney Model	355.00/Ea

3B Scientific™ MICROanatomy™ Digestive System

Illustrates the structure of fine tissues of the digestive system.

Model includes four characteristic sections of the digestive system: esophagus, stomach, small intestine and large intestine.



- Front of the model, from top to bottom, shows a magnified view in histological section of the individual sections of the digestive system and their fine tissue structures
- Back of the model emphasizes didactically interesting areas of the digestive system with highly magnified views
- Dimensions: 11.8 × 10.4 × 7.4 in. (29.5 × 26 × 18.5cm)

Cat. No.	Description	Price
S90778	Digestive System Model	359.00/Ea

3B Scientific™ 4-Part Digestive System Model

Two-part stomach reveals interior walls.

Life-size, vinyl plastic model demonstrates the digestive tract from mouth to rectum.

- Nasal and oral cavities, pharynx, larynx with epiglottis and esophagus are median sectioned
- Two-part stomach is dissectible to reveal the interior wall, liver, gallbladder, pancreas, small intestine, colon and rectum
- Model separates into four parts and is mounted
- Dimensions: 31 × 13 × 4 in. (77.5 × 32.5 × 10cm)



3B Scientific™ Male Pelvis Master Series™

Male pelvis comes with removable parts.

Our life-size median section of the male pelvis outlines sex organs, bladder and muscles, and is suitable for teaching small or large groups.

- Presents parts of the abdominal and dorsal muscular system with lumbar vertebrae, and partial kidney
- Removable bladder and reproductive organs
- Pelvis dissects into two parts
- Use with 3B Scientific Female Pelvis Master Series (see S17143 below) for comparative studies



Cat. No.	Description	Price
S171584	4-Part Digestive System Model	569.00/Ea

Cat. No.	Description	Price
S17144	Male Pelvis Model	255.00/Ea

3B Scientific™ MICROanatomy™ Liver

Study the liver in detail.

Two-part model shows a highly magnified diagrammatic view of a section of the liver.

- Left part shows section of the liver that comprises several lobules
- Right part offers highly magnified view of the sectioned liver lobule on left
- Dimensions: 6 × 10.4 × 7.4 in. (15 × 26 × 18.5cm)



Cat. No.	Description	Price
S90779	Liver Model	358.00/Ea

3B Scientific™ Female Pelvis Master Series™

Removable bladder and reproductive organs.

Our life-size median section shows how organs are situated in the female pelvis.

- Presents parts of the abdominal and dorsal muscular system with lumbar vertebrae and partial kidney
- Removable bladder and reproductive organs
- Base-mounted
- Use with 3B Scientific Male Pelvis Master Series (see S17144 above) for comparative studies



Cat. No.	Description	Price
S17143	Female Pelvis Model	255.00/Ea

3B Scientific™ P93 BASIC Catheterization Simulators

Procedures can be realistically demonstrated, practiced and assessed. Catheterization Simulator can be used by students to practice all necessary gestures for catheterization.

- Female or male catheterization with realistic resistance
- Soft and movable labia
- Liquid outflows if catheterization is successfully carried out
- Situation can be checked through the transparent bladder
- Stands securely on the table with the help of non-slip feet
- Magnetic connectors for quick set-up and dismantling
- Easy to clean, inserts can be completely removed

INCLUDES:

Stands with magnetic connections for genital inserts, catheterization set with transparent bladder, bottle and tube connectors

WARRANTY:

3 Year



Cat. No.	Description	Price
S37613	P93 BASIC Female Catheterization Simulator	340.00/Ea
S37614	P93 BASIC Male Catheterization Simulator	340.00/Ea
S37616	P93 BASIC Male and Female Catheterization Simulator Set	719.00/Ea

Eisco Human Ovary Model

Anatomically accurate representation of female reproductive organs.

- For students to understand anatomy, physiology of ovary and reproduction
- Features anatomical structures of female reproductive organs, including ovaries, fallopian tubes, uterus, cervix and vagina
- Uterus, one Fallopian tube and ovary are bisected to show internal structures
- Size: 30 × 14 × 21cm (11.8 × 5.51 × 8.26 in.)



Cat. No.	Description	Price
S15618	Human Ovary Model	79.00/Ea

3B Scientific™ Pregnancy Series

Eight-stage pregnancy models.



The 14-part series includes depictions of placenta, umbilical cord, ovaries, fallopian tubes and cervix. Eight natural-size, vinyl plastic models show the uterus with embryo and fetus in the following stages of pregnancy:

- First month
- Second month
- Third month
- Fourth to fifth month (removable fetus in prone position)
- Fifth month (removable fetus in breech presentation)
- Fifth month (removable fetus lying on its back)
- Seventh month (removable fetus)
- Twin fetuses in fifth month (removable fetuses)
- Each model is individually mounted on a stand and base
- Dimensions: 5 × 5 × 9 in. (12.7 × 12.7 × 22.9cm)

Cat. No.	Description	Price
S17101	Pregnancy Series Model	1065.00/Ea

Life Sciences

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Help your students learn about the specimen they're dissecting.

Description	Cat. No.	Price
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Teach chemistry and biology concepts in a familiar setting.

Description	Cat. No.	Price
Kemtec™ Kitchen Science Kit	S30818	\$260.00
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Give students the opportunity to practice micropipetting techniques.

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G-Biosciences Gel Box Science Teaching Kit	S41618	\$177.00
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"cutting edge science for the classroom"



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Determine patterns of inheritance using special chips and dice.

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Discover more in the classroom with this seamless chamber.

Description	Cat. No.	Price
Revolutionary Science™ RevBox DNA Electrophoresis Chamber	S29551	\$239.00

Read About Living Organisms



Living Material – Before You Buy

The Fisher Science Education team is proud to offer Carolina™ Biological Supply Company's living specimens. This partnership provides you with:

- Extensive variety
- Expert support
- Superior quality

Ordering Information

To order live specimens, please call customer service at **1-800-955-1177**.

When you place your order, be prepared to provide a specified delivery date and contact information for the faculty member using the product.

Living organisms are shipped Monday through Wednesday using two-day shipping.

Shipping on Monday for Tuesday delivery is possible but will require expedited, overnight shipping.

Your living materials are guaranteed to arrive on time and in a healthy condition or we will replace them with 100% satisfaction guaranteed.



Restrictions

- **State Shipping Restrictions:** Some living specimens are restricted in certain states. Please see the individual product listing for this information. Some items have substitution recommendations and/or replacement items that can be provided. This will be determined upon receipt of an order.
- **Seasonal Restrictions:** Some living specimens are seasonal and are only available at certain times during the year. Please see the individual product listings for seasonal availability.
- **Hawaii Restriction Notice:** Shipment of living materials (bacteria, algae, plants, protozoa, insects, and other animals) into Hawaii is restricted.

Prepaid Coupons

You can order living organisms in advance using a prepaid coupon option that allows you to arrange delivery when you are ready.

Pay one flat price that includes the cost of the organism and the shipping fees.

Coupons will not expire and can be redeemed at anytime.

Redeem coupons by phone, fax, online, or mail.

To ensure prompt arrival of materials, redeem coupons at least two weeks prior to your requested delivery date.

Releasing Organisms

Living organisms are offered for educational purposes only. We do not advocate the release of any organism into the environment. In some states, it is illegal to release organisms, even indigenous species, without a permit.



Living Organisms

LIVING ORGANISMS

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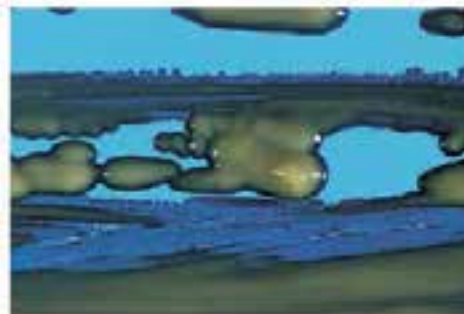
Bacteria

Carolina™ Individual Bacterial Cultures

Bacteria cultures have wide applications in the food and chemical industries because of their highly diverse metabolic activities.

Bacteria are involved in many of the events that make life possible for other organisms, including humans. Fossils of prokaryotes similar to today's bacteria have been found in 3.5 billion-year-old rocks. A mastery of bacteria is the key to understanding life on earth in the past, present, and future.

- Labeled by genus and species name and media on which they are cultured
- All Gram staining based on 24 hr. cultures
- Pure and high-quality
- For every level of study
- Easy-to-use media
- Storage: 20° to 22°C



INCLUDES:

Materials for a class of 30 students

- Carolina™ *Techniques for Studying Bacteria and Fungi* manual

⚠ ALERTS:

Because this item is a living or perishable material a specified delivery date is required. Orders must be placed through Customer Service at 1-800-766-7000

Cat. No.	Organism	Media Type	Temperature (Metric) Range	Packaging	Price
S07180ND	Enterobacter aerogenes Culture	Nutrient Agar	30°C	Tube	12.00/Ea
S07189ND	E.coli Culture	Nutrient Agar	37°C	Tube	12.00/Ea
S07190ND	E.coli B Culture	Nutrient Agar	37°C	Tube	12.00/Ea
S07191ND	Lactobacillus acidophilus Culture	Tomato Juice, Yeast Extract, Milk Broth	37°C	Tube	12.00/Ea
S07192ND	Micrococcus luteus Culture	Brain Heart Infusion Agar/ Broth	25°C	Tube	12.00/Ea
S07204ND	Lactococcus lactus Culture	Tomato Juice, Yeast Extract, Milk Broth or Brain Heart Infusion Agar	37°C	Tube	12.00/Ea
S07210ND	Micrococcus roseus Culture	Nutrient Agar	25°C	Tube	12.00/Ea
S07403ND	E.coli MicroKwik Culture™	Nutrient Agar	37°C	Vial	19.25/Ea
S07404ND	Lactococcus lactus MicroKwik Culture™	Tomato Juice, Yeast Extract, Milk Broth or Brain Heart Infusion Agar	37°C	Vial	19.25/Ea
S07407ND	Enterobacter aerogenes MicroKwik Culture™	Nutrient Agar	30°C	Vial	19.25/Ea
S07417ND	E.coli Culture	Nutrient Agar	37°C	Tube	12.00/Ea
S07418ND	E.coli Culture	Nutrient Agar	37°C	Plate	15.25/Ea
S07427ND	Micrococcus luteus MicroKwik Culture™	Brain Heart Infusion Agar/ Broth	25°C	Vial	19.25/Ea
S07183ND	Bacillus megaterium	Nutrient Agar	30°C	Tube	12.00/Ea
S07184ND	Bacillus subtilis	Nutrient Agar	30°C	Tube	12.00/Ea
S07185ND	Bacillus stearothermophilus	Tryptic Soy Agar	55°C	Tube	12.00/Ea
S07187ND	Clostridium sporogenes	Thioglycollate Medium	37°C	Tube	12.00/Ea
S07188ND	Corynebacterium pseudodiphtheriticum	Brain Heart Infusion Agar	37°C	Tube	12.00/Ea
S07402ND	Bacillus megaterium	Nutrient Agar	30°C	Vial	19.25/Ea
S07406ND	Clostridium sporogenes	Thioglycollate Medium	37°C	Vial	19.25/Ea
S07416ND	Citrobacter freundii	Nutrient Agar	37°C	Tube	12.00/Ea
S07424ND	Bacillus subtilis	Nutrient Agar	30°C	Vial	19.25/Ea

Contd. on the next page.

Carolina Individual Bacteria Cultures, Cont.

Cat. No.	Organism	Media Type	Temperature (Metric) Range	Packaging	Price
S07425ND	Bacillus cereus	Nutrient Agar	30°C	Vial	19.25/Ea
S07197ND	Pseudomonas fluorescens	Nutrient Agar	25°C	Tube	12.00/Ea
S07198ND	Sarcina aurantiaca	Nutrient Agar	25°C	Tube	12.00/Ea
S07200ND	Sarcina lutea	Nutrient Agar	25°C	Tube	12.00/Ea
S07201ND	Serratia marcescens	Nutrient Agar	25°C	Tube	12.00/Ea
S07202ND	Serratia marcescens D1	Nutrient Agar	25°C	Tube	12.00/Ea
S07211ND	Vibrio fischeri	Photobacterium Agar	25°C	Tube	12.00/Ea
S07212ND	Rhodospirillum rubrum	Nutrient Agar	25°C	Tube	12.00/Ea
S07405ND	Staphylococcus epidermidis	Nutrient Agar	37°C	Vial	19.25/Ea
S07410ND	Pseudomonas fluorescens	Nutrient Agar	25°C	Vial	19.25/Ea
S07412ND	Streptococcus salivarius	Tryptic Soy Agar with 5% Sheep Blood or Dextrose Starch Agar	37°C	Vial	19.25/Ea
S07426ND	Serratia marcescens	Nutrient Agar	25°C	Vial	19.25/Ea
S07428ND	Spirillum volutans	Peptone Succinate	30°C	Tube	12.00/Ea
S07429ND	Staphylococcus epidermidis	Nutrient Agar	37°C	Tube	12.00/Ea
S21882ND	Aquaspirillum itersonii	Nutrient Agar	25°-30°C	Tube	12.00/Ea
S21884ND	Bacillus brevis (B. parabrevis)	Nutrient Agar	30°C	Tube	12.00/Ea
S21887ND	Bacillus cereus	Nutrient Agar	30°C	Tube	12.00/Ea
S21888ND	Bacillus coagulans	Tryptic Soy	37°C	Tube	12.00/Ea
S21889ND	Bacillus sphaericus, 1 Plate	Nutrient Agar,	30°C	Plate	15.25/Ea
S21890ND	Bacillus subtilis	Nutrient Agar	30°C	Plate	15.25/Ea
S21891ND	Bacillus thuringiensis	Nutrient Agar	30°C	Tube	12.00/Ea
S21817ND	Branhamella catarrhalis, MicroKwik Culture	Tryptic Soy	37°C	Vial	19.25/Ea
S21818ND	Chromobacterium violaceum, MicroKwik Culture, PATHOGEN	Nutrient Agar	30°C	Vial	19.25/Ea
S21893ND	Clostridium butyricum (C. Beijerinckii)	Reinforced Clostridial	37°C	Tube	12.00/Ea
S21894ND	Corynebacterium xerosis	Brain Heart Infusion Agar	37°C	Tube	12.00/Ea
S21896ND	Enterobacter aerogenes	Nutrient Broth	30°C	Tube	12.00/Ea
S21897ND	Enterobacter cloacae	Nutrient Broth	30°C	Tube	12.00/Ea
S21898ND	Flavobacterium capsulatum	Skim Milk	25°C	Tube	12.00/Ea
S21820ND	Lactobacillus acidophilus, MicroKwik Culture	Tomato Juice/Yeast Extracty/Milk Broth	37°C	Vial	19.25/Ea
S21899ND	Micrococcus luteus	Nutrient Agar	25°C	Plate	15.25/Ea
S21822ND	Neisseria subflava, MicroKwik Culture	Brain Heart Infusion Agar	37°C	Vial	19.25/Ea
S21823ND	Salmonella enteritidis, MicroKwik Culture, PATHOGEN	Nutrient Agar	37°C	Vial	19.25/Ea
S21824ND	Staphylococcus simulans (coagulase negative), MicroKwik Culture, PATHOGEN	Brain Heart Infusion Agar	37°C	Vial	19.25/Ea
S21825ND	Streptococcus agalactiae, MicroKwik Culture, PATHOGEN	Tryptic Soy with 5% Sheep Blood	37°C	Vial	19.25/Ea

Carolina™ Gram Stain Comparison Set

A selection of five bacterial tube cultures representing Gram-negative and Gram-positive bacteria. This characteristic of bacteria is determined by the make-up of the cell wall, tested by using the Gram-stain method, which is used as the first step in identifying a bacterium.

INCLUDES:

- *Bacillus cereus* (Gram-positive rod)
- *Branhamella catarrhalis* (Gram-negative coccus)
- *Micrococcus luteus* (Gram-positive coccus)
- *Rhodospirillum rubrum* (Gram-negative spiral)
- *Serratia marcescens* (Gram-negative rod)
- Pack of 5



Cat. No.	Description	Price
S07420ND	Gram Stain Comparison Set	60.25/Pk

Carolina™ Cyanobacteria Cultures

Cyanobacteria, also known as blue-green bacteria, blue-green algae and Cyanophyta, is a phylum of bacteria that obtain their energy through photosynthesis.

Low light is 50 to 100 foot-candles of fluorescent light or fluorescent light from the ceiling; High light level is 200 to 400 ft. candles of fluorescent light 18 to 24 in. from the culture.



- Store at 22°C
- Enough material for a class of 30 students

Cat. No.	Description	Media Type	Price
S07461ND	Anabaena	Alga-Gro™ freshwater	8.50/Ea
S07481ND	Oscillatoria	Alga-Gro™ freshwater	8.50/Ea
S07474ND	Gloeocapsa	Allen's	8.50/Ea

⚠ ALERTS:

Because these items are living or perishable material a specified delivery date is required. Orders must be placed through Customer Service at 1-800-766-7000

Protists

Carolina™ Live Tetraselmis

Commonly used marine food organism which has four flagella.

- Green marine algae culture
- Has four flagella
- Commonly used marine food organism
- Medium is Alga-Gro™ seawater
- Requires high light level of 200 to 400 ft-c of fluorescent light 18 to 24 in. from the culture



Cat. No.	Description	Price
S42846	Live Tetraselmis	8.50/Ea

Carolina™ Individual Protozoa Cultures and Mixtures

Protozoa show students the basic properties of living matter.

- Pure and uncontaminated cultures
- Cultures arrive ready to use



Note: To ensure you order enough living materials for the number of students in your class, order one culture for up to 30 students, two cultures for 31 to 60 students, three cultures for 61 to 90 students, etc.

INCLUDES:

- Materials for a class of 30 students
- Dropping pipet
- Appropriate medium

Cat. No.	Description	Price
Cultures		
S07216ND	Volvox sp.	8.50/Ea
S07222ND	Euglena	8.50/Ea
S07489ND	Volvox globator	8.50/Ea
S07217ND	Amoeba proteus	8.50/Ea
S07218ND	Chaos (Pelomyxa) carolinensis	8.50/Ea
S07219ND	Paramecium	8.50/Ea
S07220ND	Paramecium caudatum	10.75/Ea
S07223ND	Stentor coeruleus	10.75/Ea
S07224ND	Vorticella	9.85/Ea
S07226ND	Didinium	8.50/Ea
S07447ND	Blepharisma	8.50/Ea
S07456ND	Tetrahymena sp.	10.75/Ea
S07463ND	Chlamydomonas	8.50/Ea
Mixtures		
S07227ND	Protozoan Mixture	15.00/Ea
S07228ND	Protozoa Survey Set	49.25/Ea
S07450ND	Ciliate Mixture	14.50/Ea
S07452ND	Pond Mixture	15.75/Ea
S07453ND	Pond Mystery Mix	13.00/Ea
S07455ND	Protozoa Survey Mixture	16.25/Ea

Carolina™ Basic Protozoa Set

Watch *ameoba* capturing food, *paramecia* undergoing conjugation and *euglena* doing backflips.



- Three separate cultures

INCLUDES:

- *Amoeba*
- *Euglena*
- *Paramecium*
- Culturing instructions
- Pack of 3

Cat. No.	Description	Price
S07446ND	Basic Protozoa Set	25.50/Pk

Carolina™ Amoeba, Paramecium and Euglena Review Set

The protozoan body consists of a single cell, but it is a mistake to think of these organisms as simple.

**INCLUDES:**

- A separate culture of *Amoeba*, *Paramecium* and *Euglena*
- A pad of 30 Bioreview™ sheets for each culture
- Instructions for culturing each form
- Materials for a class of 30
- Pack of 3

Cat. No.	Description	Price
S07444ND	Amoeba, Paramecium, and Euglena Review Set	50.00/Pk

⚠️ ALERTS:

Because these items are living or perishable material a specified delivery date is required. Orders must be placed through Customer Service at 1-800-766-7000

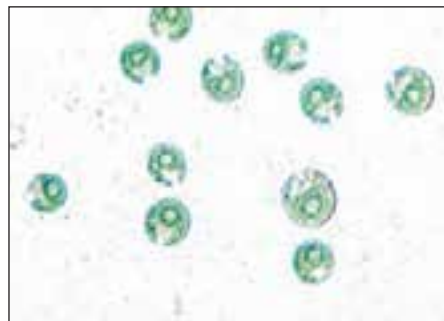
Carolina™ Individual Algae Cultures

Algae are eukaryotic organisms that follow a reproduction cycle called alternation of generations.

50 to 100 foot-candles of fluorescent light or fluorescent light from the ceiling; high light level is 200 to 400 foot-candles of fluorescent light 18 to 24 in. from the culture.

INCLUDES:

- Materials for a class of 30 students
- Carolina Culturing Algae manual



Organism	Description	Medium	Light Level	Cat. No.	Price
Green Algae					
Cladophora	Freely Branched; marine	Alga-Gro™ Seawater	High	S07466ND	8.50/Ea
Chlamydomonas	Large form	Soil Water	High	S07464ND	8.50/Ea
Spirogyra	Spiral chloroplasts	Alga-Gro™ Freshwater	High	S07484ND	8.50/Ea
Volvox aureus	Cytoplasmic connections size of flagella	Alga-Gro™ Freshwater or Soil Water	High	S07487ND	8.50/Ea
Closterium	Elongated, single-celled desmid	Alga-Gro™ Freshwater	High	S07467ND	8.50/Ea
Chlorella	On liquid; best for teaching	Alga-Gro™ Freshwater	High	S07465ND	8.50/Ea
Scenedesmus	Four cells with spines	Alga-Gro™ Freshwater	High	S07483ND	8.50/Ea
V. globator	Thick cytoplasmic connections	Alga-Gro™ Freshwater or Soil Water	High	S07488ND	8.50/Ea
Green algae desmid culture cosmarium	Green algae desmid culture	Alga-Grotrademark™ Freshwater	Fluorescent	S22115ND	8.50/Ea
Ankistrodesmus	Green Unialgal culture	Alga-Grotrademark™ Freshwater	Fluorescent	S22117ND	8.50/Ea
Diatoms					
Synedra	Pinnate diatom culture	Alga-Gro™ Freshwater	High level 200 to 400 foot-candles of fluorescent light 18 to 24 in. from culture	S21859ND	10.25/Ea
Dinoflagellates					
Peridinium	Large freshwater form	Soil Water	High	S07482ND	8.50/Ea
Euglenoids					
Euglena gracilis	Active, good grower	Soil Water and Pea	Low	S07473ND	8.50/Ea
Red Algae					
Rhodomenia	Branched blades; marine	Alga-Gro™ Seawater	Low	S07252ND	9.10/Ea
Bangia	Unbranched thallus; marine	Alga-Gro™ Seawater	Low light level: 50 to 100 foot-candles of fluorescent light or fluorescent light from the ceiling	S21873ND	9.10/Ea
Brown and Golden-Brown Algae					
Nannochloropsis	Golden-brown nonmotile; marine	Alga-Gro™ Seawater	High light level is 200 to 400 foot-candles of fluorescent light 18 to 24 in. from the culture	S21864ND	9.10/Ea
Other					
Dictyota	Ribbon-like blades; marine	Alga-Gro™ Seawater	Light level: High, 200 to 400 foot-candles of fluorescent light 18 to 24 in. from the culture.	S21868ND	8.50/Ea

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⚠️ ALERTS:

Because these items are living or perishable material a specified delivery date is required. Orders must be placed through Customer Service at 1-800-766-7000

Carolina™ Collected Freshwater Algae

Each culture contains enough material for a class of 30 students.



- Collected algae are not necessarily free of unidentified organisms

INCLUDES:

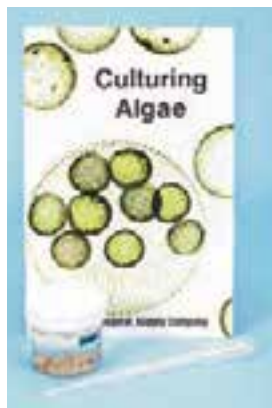
- Each order of algae comes with a Carolina™ Culturing Algae manual

Cat. No.	Description	Price
S07468ND	Euglena Culture	9.25/Ea
S07486ND	Chara	10.50/Ea
S07469ND	Spirogyra	9.95/Ea

[†] Due to State restrictions *Ulva* will not ship into: WI.

Carolina™ Special Algae Mixtures

Most algae are photosynthetic and “simple” because they lack the many distinct cell and organ types found in land plants.



Cat. No.	Description	Price
S07471ND	Diatom Mixture	10.25/Ea
S07475ND	Green Algae Mixture	15.25/Ea
S07477ND	Marine Dinoflagellate Mixture	16.50/Ea
S07485ND	Algae Survey Mixture	16.25/Ea

Fungi

Carolina™ *Sordaria* Demonstration Cross Plate

A cross of *Sordaria fimicola* wild type and the mutant tan strain for demonstrating genetic crossing-over.

- Easy to perform
- Requires some basic training in microbiology
- One plate



Cat. No.	Description	Price
S07440ND	Sordaria Demonstration Cross Plate	29.00/Ea



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Plants

Carolina™ Plants



S07511ND



S07503ND



S07512ND



S07514ND



S07518ND



S07521ND



S07517ND

Liverworts

Description	Seasonal Availability	Quantity	Cat. No.	Price
Liverwort Set: Includes four different liverworts	No Restriction	1 Set	S07511ND	32.75
<i>Marchantia</i>	No Restriction	4.5 × 4.5" Sample	S07503ND	14.75

SHIPPING ALERT: Due to state restrictions these items will not ship into: CA: (S07511ND, S07503ND).

Lichens

Description	Seasonal Availability	Quantity	Cat. No.	Price
Lichen Set: Includes portions of <i>crustose</i> , <i>Foliose</i> , <i>Fruticose</i> pendant and <i>Fruticose</i> lichens	No Restriction	1 Set	S07512ND	20.75

SHIPPING ALERT: Due to state restrictions this item will not ship into: CA: (S07512ND).

Mosses

Description	Seasonal Availability	Quantity	Cat. No.	Price
Sporulating Moss	No Restriction	12 Sporophytes	S07514ND	14.75
<i>Polytrichum</i>	No Restriction	12 Plants	S07518ND	12.25
<i>Sphagnum</i>	No Restriction	4 × 6" Sample	S07521ND	11.75
Moss Set: Includes vegetative portions of three mosses	Genera may vary seasonally	1 Set	S07517ND	33.25

SHIPPING ALERT: Due to state restrictions these items will not ship into: CA: (S07514ND, S07518ND, S07521ND, S07517ND).

Contd. on the next page.

⚠️ ALERTS:

Because these items are living or perishable material a specified delivery date is required. Orders must be placed through Customer Service at 1-800-766-7000

Carolina™ Plants, Contd.



S07558ND



S07561ND



S07505ND



S07571ND



S07564ND



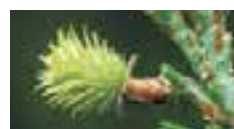
S07563ND



S07519ND



S07554ND



S07565ND



S07570ND



S07550ND



S07553ND



S07500ND

Ferns

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Fern with Sori	No Restriction	Ea.	S07558ND	16.75
Korean Rock Fern	No Restriction	Ea.	S07561ND	9.85
Tropical Fern Set: Includes five different tropical ferns	No Restriction	1 Set	S07571ND	51.75

SHIPPING ALERT: Due to state restrictions these items will not ship into: CA: (S07558ND).

Fern Allies

Description	Seasonal Availability	Quantity.	Cat. No.	Price
<i>Lycopodium lucidulum</i>	No Restriction	Ea.	S07564ND	13.00
<i>Selaginella</i>	No Restriction	12 Pack	S07519ND	13.25
Fern Allies Set: Includes <i>Selaginella</i> , <i>Lycopodium</i> and <i>Equisetum</i>	No Restriction	1 Set	S07554ND	47.75

SHIPPING ALERT: Due to state restrictions these items will not ship into: CA: (S07554ND).

Carnivorous Plants (Angiosperms)

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Sundew	No Restriction	Ea.	S07570ND	12.25

Angiosperms

Description	Seasonal Availability	Quantity.	Cat. No.	Price
<i>Coleus</i>	No Restriction	Ea.	S07550ND	10.25
Fancy <i>Coleus blumei</i>	No Restriction	Ea.	S07553ND	10.25
<i>Elodea</i> Tips	No Restriction	1 Sample	S07500ND	11.50

SHIPPING ALERT: Due to state restrictions these items will not ship into: AL, IN, MA, ME, MI, NH, OR, VT, WA, WI: (S07500ND).

⚠ ALERTS:

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Animals

Sponges, Coelenterates and Flatworms

Carolina™ Invertebrates

INCLUDES:

- Instructions



S07501ND



S07265ND



S07270ND



S07596ND



S07590ND



S07229ND



S07591ND



S07225ND



S07266ND

Freshwater Sponges

Description	Seasonal Availability	Quantity.	Cat. No.	Price
<i>Spongilla</i>	No Restriction	1 Culture	S07501ND	22.00

Freshwater Coelenterates

Description	Seasonal Availability	Quantity.	Cat. No.	Price
<i>Hydra</i>	No Restriction	1 Culture	S07265ND	9.60
<i>Hydra</i> , Coupon	No Restriction	1 Culture	S07265CND	21.25
Mixed <i>Hydra</i>	No Restriction	1 Culture	S07270ND	13.00
Mixed <i>Hydra</i> , Coupon	No Restriction	1 Culture	S07270CND	26.75
Budding <i>Hydra</i>	No Restriction	1 Culture	S07596ND	12.00
Green <i>Hydra</i>	No Restriction	1 Culture	S07230ND	14.75

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

Platyhelminthes

Description	Seasonal Availability	Quantity.	Cat. No.	Price
<i>Planaria</i>	No Restriction	1 Culture	S07590ND	10.75
Brown <i>Planaria</i>	No Restriction	1 Culture	S07229ND	10.75
Black <i>Planaria</i> , Culture	No Restriction	1 Culture	S07591ND	13.25
Mixed <i>Planaria</i>	No Restriction	1 Culture	S07225ND	15.75
<i>Dugesia dorotocephala</i>	Aug. 1 to Feb.	1 Culture	S07266ND	13.25

SHIPPING ALERT: Because Black *Planaria* (S07591ND) are scarce in the spring, other species may be substituted.

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

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Contd. on the next page.

Carolina™ Invertebrates, Contd.



S07267ND



S07601ND



S07458ND



S07231ND



S07592ND

Nematodes

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Vinegar Eels	No Restriction	1 Culture	S07267ND	9.70
<i>Caenorhabditis elegans</i> N2	No Restriction	1 Culture	S07601ND	15.25

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

Rotifers

Description	Seasonal Availability	Quantity.	Cat. No.	Price
<i>Philodina</i>	No Restriction	1 Culture	S07458ND	8.50
Mixed Rotifers	No Restriction	1 Culture	S07231ND	10.75

Tardigrades

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Water Bears	No Restriction	1 Culture	S07592ND	14.00

Annelids

Carolina™ Annelids

INCLUDES:

- Instructions



S07237ND



S07600ND



S07605ND



S07272ND

Leeches

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Leeches, Medium	No Restriction	3 Pack	S07237ND	15.25

Earthworms & Redworms

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Earthworms, Medium	No Restriction	25 Pack	S07605ND	20.50
Earthworms, Large	No Restriction	12 Pack	S07603ND	12.00
Earthworms, Large	No Restriction	25 Pack	S07271ND	21.25
Earthworms, Large	No Restriction	100 Pack	S07604ND	59.00
Redworms	No Restriction	75 to 100	S07272ND	17.50

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

⚠️ ALERTS:

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Mollusks

Carolina™ Mollusks

INCLUDES:

- Instructions



S07611ND



S07278ND



S07607ND

Large Aquarium Snails

Description	Seasonal Availability	Quantity	Cat. No.	Price
Mystery Snails, Large	No Restriction	3 Pack	S07611ND	10.75
Mystery Snails Set	No Restriction	1 Set	S07610ND	26.00

SHIPPING ALERT: Due to state restrictions this item will not ship into: AK, VA (S07611ND, S07610ND).

Aquatic Snails

Description	Seasonal Availability	Quantity	Cat. No.	Price
Pond Snails, Medium	No Restriction	12 Pack	S07278ND	15.50
Pond Snails, Medium, Coupon	No Restriction	12 Pack	S07278CND	27.50
Ramhorn Snails	No Restriction	12 Pack	S07607ND	15.50

SHIPPING ALERT: Due to state restrictions this item will not ship into: AK (S07278ND, S07278CND, S07607ND), AK, VA (S07607ND).

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

⚠️ ALERTS:

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Arthropods

Carolina™ Arthropods

INCLUDES:

- Instructions



S07232ND



S07598ND



S07233ND



S07623ND



S07626ND



S07614ND

Crustacea

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Mixed Crustaceans	No Restriction	4/Pk	S07232ND	15.75

SHIPPING ALERT: Due to state restrictions these items will not ship into: CA: (S07232ND).

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, Online web form, or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

Shrimp

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Brine Shrimp	No Restriction	2 oz.	S07598ND	20.75
Brine Shrimp Eggs	No Restriction	1 oz.	S07233ND	10.75
Brine Shrimp Eggs	No Restriction	2 oz.	S07599ND	21.00

Crabs

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Land Hermit Crabs	No Restriction	3/Pk	S07623ND	19.75
Fiddler Crabs	No Restriction	3/Pk	S07626ND	21.50

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

Crayfish

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Crayfish, Medium, 3"	No Restriction	12/Pk	S07617ND	49.50

SHIPPING ALERT: Due to state restrictions these items will not ship into: AK, VA, UT: (S07617ND, S07614ND).

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

⚠️ ALERTS:

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Carolina™ Arthropods, Contd.



S0782ND



S07281ND



S07643ND



S07274ND



S07666ND



S07657ND

Isopods

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Sow Bugs (<i>Porcellio</i>)	No Restriction	50/Pk	S07274ND	40.00
Sow Bugs (<i>Porcellio</i>), Coupon	No Restriction	50/Pk	S07274CND	53.50
Pill Bugs (<i>Armadillidium</i>)	No Restriction	12/Pk	S07653ND	11.50
Pill Bugs (<i>Armadillidium</i>)	No Restriction	50/Pk	S07654ND	40.00
Pill/Sow Bugs	No Restriction	25/Pk	S07651ND	19.50

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

Myriapods

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Millipede, 3 to 4"	No Restriction	12/Pk	S07657ND	48.75/Pk

SHIPPING ALERT: Due to state restrictions these items will not ship into: LA (S07657ND).

Roaches

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Madagascar Hissing Cockroach	No Restriction	Ea.	S07282ND	11.00/Ea
Madagascar Hissing Cockroach	No Restriction	3/Pk	S07660ND	28.50/Pk

SHIPPING ALERT: Due to state restrictions these items will not ship into: AZ, FL, TN: (S07282ND, S07660ND).

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

Termites

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Termite Workers	Fragile during early fall	25/Pk	S07666ND	21.00/Pk
Termite Workers	Fragile during early fall	100/Pk	S07667ND	49.25/Pk
Termite Digestive Symbionts	Fragile during early fall	25/Pk	S07668ND	18.50/Pk
Termite Digestive Symbionts	Fragile during early fall	100/Pk	S07669ND	44.00/Pk

SHIPPING ALERT: Due to state restrictions these items will not ship into: AK, NV, OR: (S07666ND, S07667ND, S07668ND, S07669ND).

Milkweed Bugs

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Milkweed Bug Eggs	No Restriction	30/Pk	S07281ND	18.50/Pk

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

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Contd. on the next page.

Carolina™ Arthropods, Contd.



S07236ND



S07275ND



S07697ND

Mealworms

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Mealworm Larvae	No Restriction	50/Pk	S07645ND	10.50
Mealworm Larvae	No Restriction	100/Pk	S07275ND	13.00
Mealworm Larvae, Coupon	No Restriction	100/Pk	S07275CND	26.25
Mealworm Adults	No Restriction	12/Pk	S07643ND	13.00
Mealworm Assortment (15 Adults, 15 Larvae and 2 to 5 Pupae), Coupon	No Restriction	Ea.	S07276CND	29.25
Bran Meal	No Restriction	2.5kg	S07236ND	11.50

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

Moths

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Hornworm Larvae	No Restriction	12/Pk	S07697ND	51.75

SHIPPING ALERT: Due to state restrictions these items will not ship into: AK, MN, MT, WA: (S07697ND).

Carolina™ Lady Beetle 10-Larvae Culture

Observe all 4 stages of complete metamorphosis with lady beetle larvae.



- Alligator-like larvae grow, pupate and metamorphose in 10 to 14 days.
- At least 5 of the 10 to 15 larvae guaranteed to emerge as healthy adult lady beetles.
- Store at 22° to 25°C

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, Online web form, or mail. To ensure prompt arrival of material, coupons must be redeemed at least 2 weeks prior to requested delivery date.



Cat. No.	Description	Price
S72460	Live Specimen	18.25/Ea
S72461	Coupon	26.50/Ea

⚠️ ALERTS:

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Butterflies and Ants

Carolina™ Painted Lady Butterfly Larvae Sets

Teach the concept of butterfly life cycles

The larvae pupate and emerge as adult butterflies in as little as three weeks. Witnessing metamorphosis is an experience that students never forget!

- Kits include sufficient food to enable larvae to emerge as adult butterflies.
- Store at 22° to 25°C

5-Larvae Culture Kit:

- 8 oz. cup with food
- Five *Vanessa cardui* butterfly larvae
- Larvae care instructions

33 Larvae Culture Kit:

- 1 cup of 33 larvae
- 1 cup of food

60 to 75 Larvae Culture Kit:

- 2 cups with a total of 60 to 75 larvae
- 2 cups of food

Note: Additional larvae are supplied with each Larvae/Food Set to ensure that at least the specified amount of larvae emerge as healthy adults. Extra food must be purchased if you wish to maintain additional larvae.



Cat. No.	Description	Price
S07704ND	Painted Lady Butterfly 5 Larvae Culture	17.50/Pk
S07705ND	Painted Lady Butterfly 5 Larvae Culture Coupon	26.00/Ea
S07710ND	Painted Lady Butterfly Culture 33 Larvae Set	52.00/Pk
S07711CND	Painted Lady Culture 33 Larvae Set	62.00/Ea
S07706ND	Painted Lady Butterflies, 60-75 Larvae Set	85.00/Pk

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, Online web form, or mail. To ensure prompt arrival of material, coupons must be redeemed at least 2 weeks prior to requested delivery date.

Carolina™ Butterflies in the Classroom Kit

These kits make keeping live butterflies simple, fun and affordable.

This kit allows students to work hands-on with living butterflies. From a culture cup that contains 33 larvae and food, each student (or pair of students) transfers a larva and food to its own culture vessel, creating an individual chamber for observation. The provided habitat is simple to set up, easy to clean, great for viewing and collapses for convenient storage.

INCLUDES:

- Painted Lady Butterfly Culture (33 larvae with food)
- Painted Lady Butterfly Culture Medium (food)
- Carolina Butterfly Sanctuary
- 33 1 oz. cups with lids
- Five wooden craft sticks
- Five sorting brushes
- 10 Kimwipes™
- Foam flower
- Cotton wick
- Teacher's Manual and Reproducible Student Guide

REQUIRES:

Spray bottle; small bottle or vial; sugar; water; food coloring (optional); host plants (mallow, thistle, daisy, etc. optional)



Cat. No.	Description	Price
S07707ND	Butterflies in the Classroom Kit (with Live Caterpillars)	70.00/Ea
S07708ND	Butterflies in the Classroom Kit (with Prepaid Coupon)	75.00/Ea

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

Carolina™ Amazing Bugs™ Habitat

Suitable for butterflies and other insects. Carolina Biologicals™ Amazing Bugs™ Habitat acts as a handy pop-up habitat that can be hung up or set on a table or shelf.

- Packs flat for storage
- Features clear plastic zippered top, clear-view mesh sides, and a sturdy nylon floor

Cat. No.	Description	Price
S28650	Amazing Bugs Habitat	19.25/Ea

**⚠️ ALERTS:**

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Carolina™ Ants and Ant Farm

Watch how ants live and work.

- This farm can also be connected to any number of other connectable ant farms
- Only nonreproductive ants, not queen ants
- Store at 16° to 21°C

Replacement Ants: About 30 living ants

INCLUDES:

- Four portals with four lock-tight caps
- Clear, flexible Antway travel tubes
- Wider base
- Ant food
- Sterile white tunneling sand
- Illustrated Ant Watcher's Manual
- Coupon good for a generous supply of hardworking harvester ants



Cat. No.	Description	Price
S07647ND	Ant Farm Coupon	30.75/Ea
S07648ND	Replacement Ants	12.25/Ea

Fish

Carolina™ Freshwater Fish

INCLUDES:

- Instructions



S07716ND



S07719ND



S07720ND



S07713ND



S07715ND



S07714ND



S07730ND

Goldfish

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Comet Goldfish	See Seasonal Alert	12/Pk	S07719ND	22.50

SEASONAL ALERT: Some animals are seasonal and do not appear at their best throughout the year, we reserve the right to make substitutions when it seems advisable. Any substitutions will be equal in value and appearance to those listed above.

Note: Prepaid coupons allow you to order your organisms in advance. We'll send a coupon(s) that you later redeem by phone, fax, online Web form or mail. To ensure prompt arrival of material, coupons must be redeemed at least two weeks prior to requested delivery date.

Game Fish

Description	Seasonal Availability	Quantity.	Cat. No.	Price
<i>Gambusia</i>	No Restriction	12/Pk	S07720ND	17.25
Largemouth Bass	May to Nov.	3/Pk	S07713ND	31.50
Blue Channel Catfish	No Restriction	3/Pk	S07715ND	23.25
Bluegill	No Restriction	3/Pk	S07714ND	19.50

SHIPPING ALERT: Due to state restrictions these items will not ship into: AK, VA: (S07720ND, S07713ND, S07715ND, S07714ND); NV: (S07715ND, S07714ND, S07713ND); WI: (S07720ND).

Zebra Fish

Description	Seasonal Availability	Quantity.	Cat. No.	Price
Zebra Fish; Male	No Restriction	12/Pk	S07736ND	47.00
Zebra Fish; Female	No Restriction	12/Pk	S07737ND	47.00

⚠️ ALERTS:

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Amphibians

Carolina™ Amphibians

INCLUDES:

- Instructions



S07738ND



S07741ND

Specialty Frogs

Description	Seasonal Availability	Quantity	Cat. No.	Price
Dwarf Aquarium Frogs, 1"	No Restriction	3/Pk	S07738ND	19.50

SHIPPING ALERT: Due to state restrictions these items will not ship into: AK, VA: (S07738ND).

Bullfrogs

Description	Seasonal Availability	Quantity	Cat. No.	Price
Bullfrog Tadpoles, Medium; Up to 2"	No Restriction	12/Pk	S07741ND	21.50

SHIPPING ALERT: Due to state restrictions this item will not ship into: AK, NV: (S07741ND).

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Tanks in sizes from 10 to 55 gallons.



- Aquariums are made with glass panels, fitted and silicone-sealed into injected molded frames
- Lighted hood covers and electronic ballast hold fixtures for a single fluorescent bulb (available separately)

Cat. No.	Description	Price
S06522	10 gal.	73.00/Ea

AquaPhoenix™ Basic Aquarium Kit

Marina Style 10 kit comes with everything you need for an easy set-up experience.



Measuring only 20 × 10 × 12 in. (50 × 25 × 30cm), the sleek design helps save valuable classroom space.

INCLUDES:

Marina Slim S15 clip-on filter with quick change filter cartridges, an incandescent canopy and bottom frame with two 15w clear bulbs, Nutrafin Max fish food, Nutrafin AquaPlus and Nutrafin Cycle water purifiers, fish net, thermometer and care guide

Cat. No.	Description	Price
S06532	Marina Style 10 Kit	166.00/Ea

AquaPhoenix™ Deluxe Aquarium Kit

Combining functionality and design, the Marina Deluxe 20 kit comes with everything for a quick and easy aquarium setup.

Measures only 24 × 12 × 15 in. (61 × 30 × 38cm). Sleek design provides a large aquatic environment while helping to save valuable classroom space.

INCLUDES:

Marina Slim S20 clip-on filter with quick change filter cartridges, a full-spectrum canopy with 18 in. Sun-Glo fluorescent bulb, Nutrafin Max fish food, Nutrafin AquaPlus and Nutrafin Cycle water purifiers, fish net, thermometer and care guide

Cat. No.	Description	Price
S06533	Marina Deluxe 20	224.00/Ea



Carolina™ Freshwater Aquarium Plants

Fill your classroom aquarium with these freshwater aquarium plants.

Cat. No.	Description	Price
S07491ND	Azolla, Pack of 100	12.25/Pk
S07490ND	Ceratophyllum; Pack of 12	21.50/Pk
S07492ND	Cabomba; Pack of 25	22.75/Pk
S07493ND	Duckweed, Pack of 150	9.70/Pk
S07494ND	Elodea canadensis; Pack of 12	13.75/Pk
S07495ND	Elodea canadensis; Pack of 25	27.00/Pk
S07496ND	Elodea densa, Coupon; Pack of 12	18.50/Ea
S07497ND	Elodea densa; Pack of 12	18.00/Pk
S07498ND	Elodea densa; Pack of 25	15.00/Pk
S07499ND	Elodea densa; Pack of 50	25.00/Pk
S07502ND	Ludwigia; Pack of 12	10.25/Pk
S07506ND	Oxygenating Plants Set; Pack of 24	21.50/Pk
S07510ND	Salvinia; Pack of 100	9.95/Pk



Carolina™ Carnivorous Plant Terrarium

Students can enjoy a terrarium with carnivorous plants.



INCLUDES:

- Pitcher plant
- Venus flytrap
- Cape sundew
- *Sphagnum* moss
- 4L vessel
- Soil
- Instructions

Cat. No.	Description	Price
S07548ND	Carnivorous Plant Terrarium	50.00/Ea

Carolina™ Desktop Garden

Enjoy a garden at your desk.

- 9 in. dia × 13 in. H (22.5 × 33cm)
- Assembly required

INCLUDES:

- 3 gal. plastic round terrarium
- Gravel
- Soil
- Korean Rock Fern
- Vegetative Moss
- Fruticose Lichen
- *Selaginella*
- Instructions



Cat. No.	Description	Price
S07552ND	Desktop Garden	32.25/Ea

⚠ ALERTS:

Because these items are living or perishable material a specified delivery date is required. Orders must be placed through Customer Service at 1-800-766-7000

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Read About Preserved Specimens



Carolina™ Formalin Specimens

- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde

Specimens with both treatments are available with colored latex injections to make major systems easier to identify.

- Single injected: red latex in the arterial system
- Double injected: blue latex in venous system, red in arterial system
- Triple injected: yellow latex in the hepatic portal system, blue in the venous system, and red in the arterial system

The Fisher Science Education team is committed to providing the highest quality specimens and service.

- All biological specimens are guaranteed for one year
- Receive a full credit on any defective merchandise
- Call Fisher Science Education customer service at **1-800-955-1177** for more information

Safety, Storage, and Disposal

- Fisher Science Education specimens meet or exceed OSHA formaldehyde standards of less than 0.75ppm for eight hours of exposure in a typically ventilated lab
- Refrigeration is not necessary, but extreme temperatures (low and high) should be avoided
- Keep vac-packs sealed until needed, then store specimens in Fisher Science Education Bio-Fresh holding solution for reuse
- Disposal is simple — treat specimens and liquids like any other solid and liquid waste
- Always follow your area's guidelines for disposal, dumping, or incineration

Packaging and Labeling

- Most specimens are available in your choice of pails or vacuum-sealed plastic bags. Some smaller specimens come in jars, where indicated.



Bio-Fresh Pails

- Filled with Fisher Science Education Bio-Fresh preservative for safe shipping and easy storage of specimens
- Ideal for specimens intended for reuse
- Contents, lot numbers, and production dates are printed on every label
- Due to the weight of the liquid, special shipping charges apply

Vac-Packs

- Good solution for customers who already have storage methods (pails, plastic bags, etc.)
- Individually packaged specimens are very convenient and easy to distribute to students
- Smaller specimens such as grasshoppers and sheep eyes come in packs of 10 to reduce waste
- Heat sealed with three layers of impermeable plastic and stamped with a production date and lot number



Specimen Acquisition

We recognize the role that respect for life and the environment play in biology education, which is why only humane and socially acceptable methods of collection are used for the specimens you'll receive. We select suppliers who are in strict accordance with all government guidelines and regulations, and who have all necessary permits for obtaining, processing, and transporting specimens. Endangered, threatened, and protected wildlife will never be sold.

NO CATS? TRY MINK

Industry shortages have left us with a limited supply of preserved cats. But we do have preserved mink, an excellent alternative for cat dissections.

- Average length: 13 to 17 in. (33 to 43cm)
- Preskinned to reduce lab waste and save time in dissection preparation
- Slender with very small amounts of adipose tissue
- May have cut hands and feet from skinning process

Visit fisheredu.com to learn more.

Injection Type	Cat. No.	Price	Case of 10
Plain	S37304	\$13.75	\$137.50
Double	S37305	\$15.50	\$155.00
Triple	S37306	\$17.25	\$172.50

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education
part of Thermo Fisher Scientific

Carolina™ Formalin Squid

For use in exploring form and function of cephalopods. Carolina™ Formalin Squid is complex mollusk with tentacles, arms, and well-developed eye.

- *Loligo pealeii* or *Illex illecebrosus*
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde
- **Plain:** Circulatory system not injected with colors
- **Single:** Arteries injected with red latex
- **Double:** Arteries red, veins blue



Cat. No.	Length (English)	Injection Type	Price
S37622*	12+ in.	Plain	6.80/Ea
S37623*	12+ in.	Single	8.65/Ea
S37624*	12+ in.	Double	11.25/Ea
S37625*	8 to 12 in.	Plain	4.95/Ea
S37626*	8 to 12 in.	Single	6.25/Ea
S37627*	Up to 8 in.	Plain	2.80/Ea



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Preserved Specimens

PRESERVED SPECIMENS

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Key To Carolina™ Specimen Preparations

SINGLE: Arteries injected with red latex

DOUBLE: Arteries red, veins blue

TRIPLE: Systemic veins injected with yellow latex

PLAIN: Circulatory system not injected with colors

Carolina™ Formalin Skate

For use in enhancing study of cartilaginous fishes. Carolina™ Formalin Skate is ideal for comparative and vertebrate anatomy classes.

- Member of class Chondrichthyes
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde



Cat. No.	Description	Price
S37628*	Formalin Skate, Plain	8.45/Ea

Carolina™ Formalin Dogfish Sharks

For use in exploring anatomy of cartilaginous fish. Carolina™ Formalin Dogfish Sharks are ideal for comparative and vertebrate anatomy classes.




- Member of class Chondrichthyes
- Mature specimens
- Characteristics: cartilaginous skeleton, five pairs of gill slits, no swim bladder or operculum
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid

**ORDERING INFORMATION:
INJECTION KEY**

- **Plain:** Circulatory system not injected with colors
- **Single:** Arterial system injected with red latex
- **Double:** Hepatic portal system injected with blue latex
- **Triple:** Systemic veins injected with yellow latex

Cat. No.	Length (English)	Length (Metric)	Injection Type	Price
S37630*	27+ in.	68.5+ cm	Plain	17.25/Ea
S37631*	27+ in.	68.5+ cm	Single	17.00/Ea
S37632*	27+ in.	68.5+ cm	Double	18.75/Ea
S37633*	27+ in.	68.5+ cm	Triple	21.75/Ea
S37634*	22 to 27 in.	55.8 to 68.5cm	Plain	14.75/Ea
S37636*	22 to 27 in.	55.8 to 68.5cm	Double	18.75/Ea
S37637*	22 to 27 in.	55.8 to 68.5cm	Triple	21.00/Ea

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Carolina™ Formalin Perch

For use in studying anatomy and physiology of bony fish. Carolina™ Formalin Perch belongs to class Osteichthyes.



- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde
- 5 per bag

Cat. No.	Length (English)	Injection Type	Price
S37704*	9+ in.	Double	61.50/Ea
S37706*	5 to 7 in.	Plain	11.50/Ea

Carolina™ Formalin Quahog

For use in exploring anatomy of marine clams and bivalves.

- *Venus sp.*
- Large, thick-shelled marine clams
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde



Cat. No.	Description	Price
S37690*	Formalin Quahog, Plain	27.25/Ea

Key To Carolina™ Specimen Preparations

- SINGLE:** Arteries injected with red latex
DOUBLE: Arteries red, veins blue
TRIPLE: Systemic veins injected with yellow latex
PLAIN: Circulatory system not injected with colors

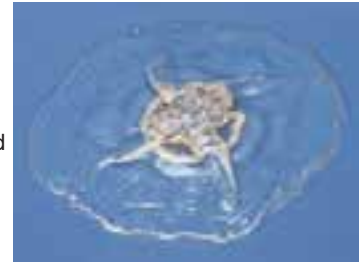


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Carolina™ Formalin Jellyfish

For use in study of anatomy of cnidarians using common, formalin-preserved jellyfish.

- Common marine jellyfish - Aurelia
- Class Scyphozoa
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde
- Plain form
- 10 per jar
- 7.6-10.1cm (3 to 4 in.)



Cat. No.	Description	Price
S37684*	Formalin Jellyfish, Plain	34.25/Ea

Carolina™ Formalin Ascaris

Carolina™ Formalin Ascaris, is a parasitic nematode also known as roundworm.

- *Ascaris lumbricoides*
- Majority are females with very few, if any, males for comparison
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant



Cat. No.	Description	Price
S37687*	Formalin Ascaris, Plain	19.00/Ea

Carolina™ Formalin Earthworms

For use in introducing students to invertebrate anatomy. Carolina™ Formalin Earthworms are ideal introductory dissection specimens.

- *Lumbricus terrestris*
- Phylum Annelida, segmented worms
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde



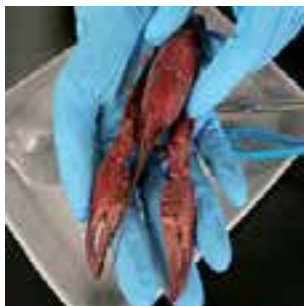
Cat. No.	Injection Type	Quantity	Price
S37691*	Injected	10/tube	59.50/Ea
S37692*	Plain	10/tube	6.95/Ea
S37693*	Plain	50/tube	28.75/Ea



Carolina™ Formalin Crayfish

For use in exploring relationship between structure, function, and environment using formalin-preserved crayfish. Carolina™ Formalin Crayfish is an ideal invertebrate dissection specimen.

- *Pacifastacus sp.*
- Phylum Arthropoda, class Crustacea
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde



Cat. No.	Injection Type	Price
S37695*	Plain	13.50/Ea
S37696*	Single	15.50/Ea

Carolina™ Formalin Blue Crab

Carolina™ Formalin Blue Crab is ideal for exploring the anatomy of an advanced crustacean in the classroom. Great for invertebrate and comparative anatomy classes.

- Blue Crab (*Callinectes sp.*)
- Great for studying crustacean anatomy
- Preserved in formalin
- Shipped 10 per pail
- Shipped in Carosafe™ Carolina's proprietary shipping and holding fluid
- Carosafe minimizes student and educator exposure to formaldehyde



Cat. No.	Description	Price
S72736*	Formalin Blue Crab, Plain	58.00/Ea

Carolina™ Formalin Sea Urchin

For use in studying anatomy of sea urchins. Carolina™ Formalin Sea Urchin is a marine echinoderm.

- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde



Cat. No.	Description	Price
S37700*	Formalin Sea Urchin, Plain	25.75/Ea

Carolina™ Formalin Sea Cucumber

For use in exploring anatomy of sea cucumber. Carolina™ Formalin Sea Cucumber is marine echinoderm.

- *Cucumaria sp.*
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde



Cat. No.	Description	Price
S37701*	Formalin Sea Cucumber, Plain	35.25/Ea

Carolina™ Formalin Snake

For use in learning more about reptiles by investigating anatomy of nonvenomous snake. Carolina Formalin Snake is ideal for comparative vertebrate courses.

- Species vary based on availability
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde



Cat. No.	Description	Price
S37648*	Formalin Non-Venomous Snake, Plain	24.50/Ea

Key To Carolina™ Specimen Preparations

SINGLE: Arteries injected with red latex
DOUBLE: Arteries red, veins blue
TRIPLE: Systemic veins injected with yellow latex
PLAIN: Circulatory system not injected with colors

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Carolina™ Formalin Grasshoppers



Carolina™ Formalin Grasshoppers are an excellent introductory specimen for dissecting and studying insect anatomy

- Louisiana Lubber Grasshoppers (*Romalea microptera* or *Brachystoma*)
- Large size is perfect for studying specialized external and internal anatomy
- Preserved in formalin
- Shipped 10 per jar
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid which minimizes student and educator exposure to formaldehyde



Cat. No.	Description	Price
S72459*	Carolina™ Formalin Grasshoppers, Plain	7.25/Pk

Carolina™ Formalin Preserved Sheep Kidney

Allows students to explore physiological links between organ systems and identify general structures representative of mammals.

- Kidneys are shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Odorless fluid designed to minimize unpleasant odor of formaldehyde
- Plain: No color injection



Cat. No.	Description	Price
S28066*	Sheep Kidney Formalin Preserved Specimen	4.45/Ea

Carolina™ Formalin Preserved Sheep Pluck, Plain

Allows students to explore physiological links between organ systems and identify general structures representative of mammals.

- Heart with aorta and lungs with trachea are shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Odorless fluid designed to minimize unpleasant odor of formaldehyde
- Plain: No color injection



Cat. No.	Description	Price
S28064*	Sheep Pluck Preserved Specimen	14.75/Ea

Carolina™ Formalin Preserved Sheep Brain, Dura Mater Intact

Used to study mammalian brain structure.

- Explores general structures representative of mammals
- Connects structure to function
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe™ is an odorless fluid designed to minimize the unpleasant odor of formaldehyde



Cat. No.	Description	Price
S28065*	Sheep Brain Formalin Preserved Specimen	17.25/Ea

Carolina™ Formalin Preserved Sheep Eyes

Explores eye structures representative of mammals.

- Sold in units of 10 and packaged together in vacuum-sealed bag
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe™ is an odorless fluid designed to minimize the unpleasant odor of formaldehyde



Cat. No.	Description	Price
S28068*	Sheep Eyes Preserved Specimen	9.85/Pk

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Carolina™ Formalin Preserved Sheep Brain, Dura Mater Removed

Used to study mammalian brain structure.

- Similar to human brain
- Sheep brain with dura mater removed and optic chiasma intact are shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Odorless fluid designed to minimize unpleasant odor of formaldehyde
- Plain: No color injection
- Individually damp-packed in vacuum-sealed bags



Carolina™ Formalin Preserved Sheep Brain, Dura Mater Removed, Single Injection

Used to study mammalian brain structure.

- Similar to human brain
- Sheep brain with dura mater removed are shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Injected arteries aid in studying brain's circulatory system
- Odorless fluid designed to minimize unpleasant odor of formaldehyde
- Single color injection: Arterial system injected with red latex
- Individually damp-packed in vacuum-sealed bags



Cat. No.	Description	Price
S28069*	Sheep Brain, Dura Mater Removed, Formalin Preserved Specimen	10.75/Ea

Cat. No.	Description	Price
S28072*	Sheep Brain Single Injection Formalin Preserved Specimen	24.25/Ea

Carolina™ Formalin Preserved Sheep Brain, Dura Mater Removed, Hypophysis Intact

Used to study mammalian brain structure.

- Similar to human brain
- Sheep brain with dura mater removed and hypophysis (pituitary gland) intact to aid in brain study, shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Odorless fluid designed to minimize unpleasant odor of formaldehyde
- Plain: No color injection
- Individually damp-packed in vacuum-sealed bags



Cat. No.	Description	Price
S28071*	Sheep Brain Hypophysis Intact Formalin Preserved Specimen	13.00/Ea

Carolina™ Formalin Preserved Sheep Brain in Cranial Case, Whole Brain

Used to study mammalian brain structure.

- Similar to human brain
- Sheep brain with dura mater, hypophysis, and cranial nerve roots intact, but still in cranial case, are shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- With 1/8 to 1/2 inch of bone, which has been cracked in several places to make removal easier
- Odorless fluid designed to minimize unpleasant odor of formaldehyde
- Plain: No color injection



Cat. No.	Description	Price
S28074*	Sheep Brain in Cranial Case, Formalin Preserved Specimen	15.00/Ea



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Carolina™ Formalin Preserved Sheep Half Brain

Used to study mammalian brain structure

- Similar to human brain
- Sheep brain is shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Odorless fluid designed to minimize unpleasant odor of formaldehyde
- Plain: No color injection
- Individually damp-packed in vacuum-sealed bags



Cat. No.	Description	Price
S28070*	Sheep Half Brain Formalin Preserved Specimen	7.75/Ea

Carolina™ Formalin Preserved Sheep Heart, Plain

Allows students to explore physiological links between organ systems and identify general structures representative of mammals

- Heart with base of aorta attached is shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Odorless fluid designed to minimize unpleasant odor of formaldehyde
- Plain: No color injection



Cat. No.	Description	Price
S28067*	Sheep Heart Formalin Preserved Specimen	5.65/Ea

Carolina™ Formalin Preserved Sheep Heart in Pericardium

Allows students to explore physiological links between organ systems and identify general structures representative of mammals.



- Heart in Pericardium with base of aorta attached is shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Odorless fluid designed to minimize unpleasant odor of formaldehyde
- Plain: No color injection

Cat. No.	Description	Price
S28073*	Sheep Heart in Pericardium Formalin Preserved Specimen	12.75/Ea



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Carolina™ Formalin Pigs

For use in introducing students to mammalian anatomy. Carolina™ Formalin Pigs do not have well defined musculature.

- Fetal and/or stillborn pigs
- Mainly used in basic high school and college biology classes
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde
- One per bag



INJECTION KEY

PLAIN: Circulatory system not injected with colors

Single: Arteries injected with red latex

Double: Arteries red, veins blue

Triple: Systemic veins injected with yellow latex

Cat. No.	Injection Type	Length (English)	Length (Metric)	Price
S37664*	Plain	14+ in.	35.5+ cm	20.75/Ea
S37665*	Single	14+ in.	35.5+ cm	21.50/Ea
S37666*	Double	14+ in.	35.5+ cm	25.00/Ea
S37667*	Plain	11 to 14 in.	27.9 to 35.5cm	20.75/Ea
S37668*	Single	11 to 14 in.	27.9 to 35.5cm	21.50/Ea
S37670*	Plain	7 to 11 in.	17.7 to 27.9cm	20.25/Ea
S37671*	Single	7 to 11 in.	17.7 to 27.9cm	21.25/Ea
S37673*	Plain	5 to 7 in.	12.7 to 17.7cm	18.75/Ea
S37669*	Double	11 to 14 in.	27.9 to 35.5cm	24.00/Ea

Carolina™ Formalin Pig Eyes



Carolina™ Formalin Pig Eyes are for use in exploring the anatomy of mammalian eye. Carolina™ Formalin Pig Eyes are similar to human eye.



- Easy dissection and examination of the mammalian eye as pig eyes are similar to human eye.
- Smaller than cow eyes and have less muscle and fatty tissue attached
- Preserved in formalin
- Shipped 10 per bag
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid which minimizes student and educator exposure to formaldehyde

Cat. No.	Description	Price
S72455*	Formalin Pig Eyes	18.25/Pk

Carolina™ Formalin Pig Kidney

For use in enhancing study of urinary system. Carolina™ Formalin Pig Kidney is similar to human kidney, only larger.



- Mammalian kidney
- For studying structure and function of kidney
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde

Cat. No.	Description	Price
S37675*	Formalin Pig Kidney	6.00/Ea



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Carolina™ Formalin Cow Eyes

For use in exploring anatomy of mammalian eye. Carolina™ Formalin Cow Eyes are similar to human eye



- Large size allows easy dissection and examination
- Preserved in formalin
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde

Cat. No.	Description	Price
S37717	Formalin Cow Eyes	25.75/Pk

Pig Organs

Premium quality organs.



Choose from our selection of pig organs for your anatomy classes.

ORDERING INFORMATION:

All are premium quality and are Packed in FisherPak™ vacuum Pks, in Fisher Science Education™ Bio-Fresh™.

Cat. No.	Description	Quantity	Price
S1476S*	Pig Uterus	3/Cs	12.00/Pk
S9204S*	Pig Heart	Each	9.10/Pk
S9254*	Pig Heart, Pericardium	Each	18.75/Pk
S9255*	Pig Eyes	10 Pk	15.00/Pk
S9257S*	Pig Ovary	10/Cs	2.85/Pk

Carolina™ Formalin Cow Heart

For use in studying anatomy of mammalian heart. Carolina™ Formalin Cow Heart is ideal for studying structure and function of heart.

- Four-chambered mammalian heart
- Like human heart, only much larger
- Large size allows students to easily study anatomy
- Easily trace blood flow
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid



Cat. No.	Description	Price
S37676*	Formalin Cow Heart	41.75/Ea

Cow Organs

Larger specimens for easier dissection.

- Organs are of excellent quality
- Large size makes them easy for students to dissect
- Vacuum Packed in Fisher Science Education™ Bio-Fresh™



Cat. No.	Description	Price
S8202S*	Cow Eye	31.50/Pk
S8207S*	Pregnant Cow Uterus	58.00/Ea
S8203S*	Beef Heart	37.50/Pk
S1711S*	Beef Spinal Cord	7.50/Pk
S1715S*	Beef Brain	67.75/Pk
S1722S*	Bull Testicle	15.75/Pk



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Carolina™ Formalin Bullfrogs

For use in introducing students to vertebrate anatomy. Carolina™ Formalin Bullfrogs are ideal for studying amphibian anatomy, adaptations and body systems.

- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde
- INJECTIONS: Plain: no color injection; Double: red arteries, blue hepatic
- Length: 5+ in. (12.7cm)



Cat. No.	Quantity	Price
S37638*	1/bag	15.25/Ea
S37707*	5/bag	77.00/Ea

Carolina™ Formalin Frogs

For use in introducing students to vertebrate anatomy. Carolina™ Formalin Frogs are grass frogs and are ideal for study of body systems.

- No need for scalpel – students only need dissecting scissors
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde



Cat. No.	Injection Type	Length (English)	Quantity	Price
S37646*	Plain	3 to 4 in.	1/bag	3.90/Ea
S37715*	Plain	3 to 4 in.	10/bag	39.00/Ea
S37643*	Plain	4 to 5 in.	1/bag	6.55/Ea
S37644*	Single	4 to 5 in.	1/bag	7.55/Ea
S37712*	Plain	4 to 5 in.	10/bag	65.50/Ea
S37713*	Single	4 to 5 in.	10/bag	76.00/Ea
S37714*	Double	4 to 5 in.	10/bag	87.00/Ea
S37640*	Plain	5+ in.	1/bag	8.90/Ea
S37642*	Double	5+ in.	1/bag	11.25/Ea
S37709*	Plain	5+ in.	10/bag	266.00/Ea

INJECTION KEY

PLAIN: Circulatory system not injected with colors

Single: Arteries injected with red latex

Double: Arteries red, veins blue

Triple: Systemic veins injected with yellow latex

Carolina™ Formalin Mink

Used in lab experiments which ensures safe and non-toxic environment. Carolina™ Formalin Mink are packaged in waterproof plastic bags.

- Ranch-raised, formalin-preserved mink
- 15 in. in length
- Waterproof student name tags are furnished free with each mink



Cat. No.	Injection Type	Price
S37304*	Plain	13.75/Ea
S37305*	Double	15.50/Ea
S37306*	Triple	17.25/Ea

ORDERING INFORMATION:

This item is sold and shipped to schools and businesses only. Not available to individuals or residential addresses

Carolina™ Formalin Cats

For use in advanced biology, anatomy and physiology classes. Carolina™ Formalin Cats are ideal dissection specimens.



- *Felis catus*
- Similar to human anatomy
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde

INJECTION KEY

- **Plain:** Circulatory system not injected with colors
- **Single:** Arteries injected with red latex
- **Triple:** Arteries red, veins blue and hepatic portal veins yellow

Cat. No.	Injection Type	Length (English)	Price
S37652ND*	Single	18+ in.	93.00/Ea
S37653ND*	Double	18+ in.	105.00/Ea
S37654ND*	Triple	18+ in.	115.00/Ea
S37655ND*	Plain	14 to 18 in.	87.00/Ea

Carolina™ Formalin Rabbits



Carolina™ Formalin Rabbits facilitates the study and dissection of mammalian anatomy



- Can be used as a preserved cat alternative with minimal differences
- Makes it easy to study musculature and internal anatomy
- Mature specimens
- Preserved in formalin
- Shipped 1 per bag
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid which minimizes student and educator exposure to formaldehyde
- Length: At least 14 in.
- Vacuum-sealed, 1 per bag

Cat. No.	Injection Type	Price
S72457*	Double	60.50/Ea

Carolina™ Formalin Rats

For use in lessons on mammalian anatomy. Carolina™ Formalin Rats have well-developed musculature and reproductive system.

- Mature specimen
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde
- Length: 7+ in. (17.7cm)

ORDERING INFORMATION:

INJECTION KEY

- Plain:** Circulatory system not injected with colors.
- Single:** Arteries injected with red latex.
- Double:** Arteries red, veins blue.
- Triple:** Arteries red, veins blue and hepatic portal veins yellow.



Cat. No.	Injection Type	Price
S37659*	Plain	9.00/Ea
S37660*	Single	12.00/Ea
S37661*	Double	13.50/Ea
S37662*	Double; Pregnant	21.00/Ea

INJECTION KEY

- PLAIN:** Circulatory system not injected with colors
- Single:** Arteries injected with red latex
- Double:** Arteries red, veins blue
- Triple:** Systemic veins injected with yellow latex

* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Carolina™ Formalin Pigeon

For use in exploring avian anatomy. Carolina™ Formalin Pigeon is ideal for comparative vertebrate courses.



- Family *Columbidae*
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe is odorless fluid designed to minimize unpleasant odor of formaldehyde

Cat. No.	Description	Price
S37649*	Formalin Pigeon	14.00/Ea

Carolina™ Preserved Mixed Fish Set

For use in introduction to fish anatomy and taxonomy. Carolina™ Preserved Mixed Fish Set includes 8 specimens from 3 major fish groups: the jawless fish, cartilaginous fish, and bony fish.

- Students explore internal and external anatomy of 8 specimens from 3 major fish groups: jawless, cartilaginous, and bony fishes
- Compare and contrast unique anatomical characteristics such as scales, fins, and respiratory and feeding structure



Cat. No.	Description	Price
S37723*	Preserved Mixed Fish Set	69.25/Ea

INJECTION KEY

PLAIN: Circulatory system not injected with colors
Single: Arteries injected with red latex
Double: Arteries red, veins blue
Triple: Systemic veins injected with yellow latex



* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Carolina™ Formalin Preserved Sheep Organ Set with Manual

Allows students to identify physiological links between organ systems.



- Explores general structures representative of mammals
- Connects structure to function
- Shipped in Carosafe™, Carolina's proprietary shipping and holding fluid
- Carosafe™ is an odorless fluid designed to minimize the unpleasant odor of formaldehyde
- Simple dissection guides are provided for each organ

Cat. No.	Description	Price
S28075*	Sheep Organ Set with Manual	25.50/Ea

Dissection Guide to the Fetal Pig

Covers the basics of pig anatomy.

- 16 pages of in-depth text
- 11 detailed illustrations take the student through the dissection

Cat. No.	Description	Price
S4151S	Dissection Guide To The Pig	10.75/Ea



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Dissection Supplies

Precision Dissecton Kit with Goggles

Ideal for biology classes or field use

- Semi-hard, slotted plastic case
- Autoclavable
- Fine quality tools
- Easy to carry
- Individual sections for each tool
- Avoids breakage of fragile tools
- Safer to use for students and teachers
- Meets ANSI Z87.1-2003 and ANSI + High Impact Standards
- CUL Certified to meet CAN/CSA Z94.3



S72132 Includes:

- Dissecting Mall Probe Chrome Plated
- Ruler, 6 in.
- Student dissecting forceps, 4.5 in.
- Dissecting Iris scissors, 4.5 in.
- Dissecting scalpel with screw-lock blade
- Glass Dropper
- Dissecting Needle straight plastic handle
- Dissecting T-Pins six-pcs
- See-thru plastic case with locks – Autoclavable
- Protective adjustable wrap-around eyewear

S72129, S72130, S72131 add:

- Powder-free, latex-free blue nitrile examination gloves
- CFIA and FDA approved for food handling

S72124 thru S72128 add:

- Powder-free, latex-free blue nitrile examination gloves
- CFIA and FDA approved for food handling
- Unisex Lab Coat with higher cotton content for more breathability, moisture absorbency and comfort
- Full-length (42-inch) with 3 patch pockets only, or 2 additional inside patch pockets
- Soft and comfortable fabric in 40% Polyester / 60% Cotton

Cat. No.	Description	Price
S72132	Precision Dissection Kit with Goggles	10.75/Ea
S72129	Small Gloves	17.50/Ea
S72130	Medium Gloves	17.50/Ea
S72131	Large Gloves	17.50/Ea
S72124	With Small Gloves; XS Lab Coat	28.75/Ea
S72125	With Small Gloves; S Lab Coat	28.75/Ea
S72126	With Medium Gloves; Medium Lab Coat	28.75/Ea
S72127	With Large Gloves; Large Lab Coat	28.75/Ea
S72128	With X-Large Gloves; X-Large Lab Coat	28.75/Ea

Classroom Dissection Set

An ideal, cost-saving classroom dissection set for 20 or 40 students.

- Includes 20 each of the seven dissection tools for a 20-student class
- Can also be used for 40 students working in pairs

ORDERING INFORMATION:

Dimensions: 15 x 13 x 2.25 in. (38 x 33 x 5.7cm)

INCLUDES:

- 20 student scissors, 4.5 in.
- 20 student forceps, 4.5 in.
- 20 scalpel handles
- 100 scalpel blades
- 20 plastic, straight teasing needles
- 20 plastic, angular teasing needles
- 20 glass droppers
- 20 plastic rulers, 6 in.
- 20 Pks of six T-Pins (or a bulk box of 300)
- One six-compartment tray for instruments



Cat. No.	Description	Price
S07040	Classroom Dissection Set with Tray	98.00/Ea

Student Dissecting Kits

Complete dissection kits for use in the student lab.



Kit with Black Vinyl Case:

- Dissecting scissors, 4.5 in.
- Dissecting forceps, 4.5 in. chrome-plated
- Dissecting scalpel, chrome-plated
- Two dissecting teasing needles (one angular, one straight) with plastic handles
- Glass dropper with rubber bulb
- Plastic ruler, 6 in.

Kit with See-Through Plastic Case:

- Dissecting scissors, 4.5 in.
- Dissecting forceps, 4.5 in. chrome-plated
- Dissecting scalpel, chrome-plated
- Two dissecting teasing needles (one angular, one straight) with plastic handles
- Plastic ruler, 6 in.

Cat. No.	Description	Price
S06831	With Vinyl Case	9.95/Ea
S06843	With Plastic Case	10.75/Ea

Teacher's Dissecting Kit

Complete kit in vinyl case for the teacher.

INCLUDES:

- Dissecting scissors, 4.5 in.
- Dissecting scissors, 5.5 in. with one sharp and other point blunt
- Two forceps, 4.5 in. (one curved fine point with guide pin and one fine point)
- Two teasing needles (one bent and one straight) with metal chuck brass-chromed
- Replacement needles (straight and angular)
- Scalpel handle No. 4
- Replaceable blades for handle No. 4, six pieces
- Glass dropper
- Ruler, 6 in.
- Double-fold vinyl case



Cat. No.	Description	Price
S06835	Teachers Dissecting Kit	17.00/Ea

Medical Student Comprehensive Anatomy Dissection Kit

For first year gross anatomy class.

- Includes surgical steel made tools
- Sold in case of 5 kits

INCLUDES:

- Teasing needle bent with metal chuck
- Teasing needle straight with metal chuck
- Flexible Probe
- Iris scissors fine point, 4.5 in. (114.3mm)
- Surgical scissors 5.5 in. (140mm), one point sharp and one point blunt
- Cartilage knife
- 1 x 2 Teeth tissue forceps, 4.5 in. (114.3mm)
- Dissecting forceps medium point, 4.5 in. (114.3mm) with guide pin
- Scalpel handle No. 3
- Scalpel handle No. 4
- Scalpel blade No. 10, for handle No. 3
- Scalpel blade No. 22, for handle No. 4
- Mall probe chrome plated
- Curved hemostatic forceps, 5 in. (127mm)
- Plastic ruler, 6 in. (152mm)



Cat. No.	Description	Price
S07891	Comprehensive Anatomy Dissection Kit	35.00/Ea

Medical Student Anatomy Dissection Kit

For first year medical students.

- Approved by American Medical Association (AMA)
- Sold in case of 5 kits

INCLUDES:

- Teasing needle bent with metal chuck
- Teasing needle straight with metal chuck
- Iris scissors fine point, 4.5 in. (114.3mm)
- Surgical scissors 5.5 in. (140mm), one point sharp and one point blunt
- Cartilage knife
- 1 x 2 Teeth tissue forceps, 4.5 in. (114.3mm)
- Dissecting forceps medium point, 4.5 in. (114.3mm) with guide pin
- Scalpel handle No. 3
- Scalpel blade No. 10, for handle No. 3
- Mall probe chrome plated
- Hemostatic forceps 5 in. (127mm), Curved
- Plastic ruler, 6 in. (152mm)



Cat. No.	Description	Price
S07890	Anatomy Dissection Kit; AMA approved	28.50/Ea

Eisco Dissection Sets

Stainless steel instruments in case

Economy Set:

- 5 in. Scissors
- 4.25 in. Forceps with serrated tips
- 5 in. wooden handled needle
- 5 in. wooden handled curved needle
- Nos.B.P. Handle with Blade 1

Premium Set:

- Scissors
- Forceps
- Seeker
- Scalpel Handle and Blade
- Needle with Wooden Handle



Advanced Set:

- 8 in. x 5 in. x 1 in. leather case
- 4.5 in. Forceps
- Bone Cutter
- 5 in. Forceps
- 4.5 in. Curved Forceps

Cat. No.	Description	Price
S14004	7 Piece Dissecting Set	8.70/Ea
S14005	7 Piece Dissecting Set	20.25/Ea
S23633	Advanced Dissecting Kit	31.50/Ea

Dissecting Instrument Tray

Makes organizing instruments a snap.



- This handy five-compartment tray accommodates your instruments according to size and type for easy sorting
- In addition, open-face design lets instruments quickly air-dry after cleaning, eliminating mold growth

Cat. No.	Description	Price
S17429	Dissecting Instrument Tray; White	21.25/Ea

Large Dissection Tray with Pad

Unbreakable, lightweight trays with pads clean up easily.

Designed for dissecting cats, rabbits, sharks, mink and other animals. Tray is molded of heavy-duty polyethylene for strength, is virtually unbreakable with superb chemical resistance and stacks for storage.



- Nonskid bottom prevents shifting
- Each tray holds a 10 x 23.2 in. (25 x 58cm) Flex-Pad (included) — no wax, no mess
- Dimensions: 16.4 x 30.4 in. (41 x 76cm)

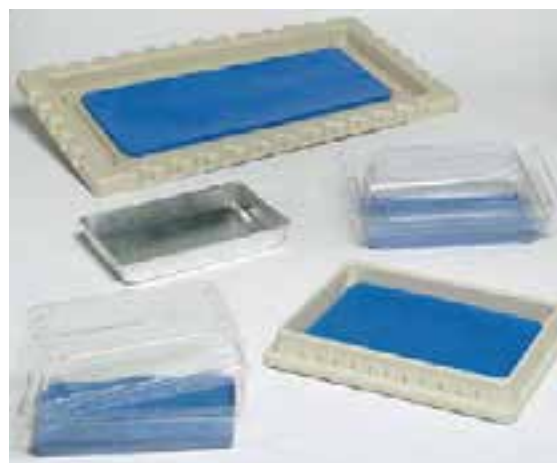
Shipping weight: 4 lb. (1.8kg)

Cat. No.	Description	Price
S17416	Large Dissection Tray with Pad	83.00/Ea

Dissection Pans and Pads

Keep specimens looking fresh between dissection periods.

- High-density polyethylene (HDPE) pans offer tight-sealing lids for durability and easy cleanup
- Each is available with Flex-Pads — odorless vinyl pads that are machine washable and reusable
- Flex-Pads replace wax for faster setup and cleanup



Cat. No.	Material	Description	Includes	Price
S17468	HDPE, Vinyl	Standard Pan	Flex-Pad and Cover	18.50/Ea
S17469	HDPE, Vinyl	Standard Pan	Flex-Pad	14.25/Ea
S17471	HDPE, Vinyl	Deluxe Pan	Flex-Pad and Cover	25.75/Ea
S17472	HDPE, Vinyl	Deluxe Pan	Flex-Pad	20.75/Ea
S17427	Vinyl	Deluxe pan with Flex-pad and cover	Flex-Pad and Cover	17.75/Pk

Dissection Tools



S08097

S08096

S08098

S08095

S08099

S07896

S08100

S08101

S08102

S08103

Forceps

- Stainless steel except for S08099, which is chrome-plated steel

Description	Length	Cat. No.	Price
Dissecting forceps; curved medium points; with guide pin	11.4cm (4.5 in.)	S08097	2.05/Ea
Dissecting forceps; straight, fine, serrated points; with guide pin	11.4cm (4.5 in.)	S08096	2.05/Ea
Dissecting forceps; curved fine points; with guide pin	11.4cm (4.5 in.)	S08098	2.05/Ea
Dissecting forceps; straight, medium, serrated points; with guide pin	11.4cm (4.5 in.)	S08095	2.05/Ea
Economy forceps; straight, fine, serrated points; with knurled handles; chrome-plated steel	11.4cm (4.5 in.)	S08099	1.75/Ea
Insect pinning forceps; angled fine points	11.4cm (4.5 in.)	S07896	5.80/Ea
Tissue forceps; with special teeth for gripping tissue	12cm (5.5 in.)	S08100	2.60/Ea
Specimen forceps; with serrated points and knurled handles	15.24cm (6 in.)	S08101	2.40/Ea
Specimen forceps; straight serrated points; with knurled handles	25.4cm (10 in.)	S08102	6.95/Ea
Specimen forceps; curved serrated points; with knurled handles	25.4cm (10 in.)	S08103	6.95/Ea



S07894



S07895

Needles

Description	Cat. No.	Price
Teasing needles; straight tips and wooden handles; Pk of 12	S07894	3.95/Pk
Teasing needles; bent tips and wooden handles; Pk of 12	S07895	3.95/Pk



S08110



S08107



S08106

Probes, Hooks and Section Lifters

Description	Cat. No.	Price
Angular probe; 15.2cm; one end sharp point, other end angular point	S08110	2.10/Ea
Hubber probe; 15.2cm; one end angular point, other end chisel-like; chrome-plated stainless steel	S08107	2.05/Ea
Mall probe, 15.2cm; one end angular point; chrome-plated stainless steel	S08106	2.10/Ea

Contd. on the next page.

Dissection Tools Contd.



S08113



S07898



S08112



S08111

Scalpels and Knives

Description	Cat. No.	Price
Cartilage knife; surgical stainless steel; razor sharp blade; serrated handle; 5cm blade	S08113	3.40/Ea
Scalpel; chrome-plated steel; with screw lock; No. 22 blade	S07898	3.90/Ea
Scalpel; surgical stainless steel; razor sharp blade; brushed finish; 3.8cm blade	S08112	3.35/Ea
Student scalpel; chrome-plated steel; 3.8cm blade	S08111	2.05/Ea



S08115



S08116



S08117



S08118



S08119



S08121



S08122



S08123

Scalpel Handles and Blades

- Handles made with stainless steel; slip lock design
- Blades made of carbon steel

Description	Cat. No.	Price
Handle; No. 3	S08115	2.60/Ea
Handle; No. 4	S08116	2.05/Ea
Blade; No. 10	S08117	4.00/Pk
Blade; No. 11	S08118	42.50/Pk
Blade; No. 12	S08119	42.50/Pk
Blade; No. 20	S08121	42.50/Pk
Blade; No. 21	S08122	41.00/Pk
Blade; No. 22	S08123	47.50/Pk

Contd. on the next page.

Dissection Tools Contd.



S08089



S07897



S08088



S08094



S08090



S08091



S08092



S08093



S08105

Scissors, Shears and Bone Cutters

- Stainless steel

Description	Length	Cat. No.	Price
Dissecting scissors for students; two sharp points	11.4cm (4.5 in.)	S08089	3.05/Ea
Iris scissors; curved fine points	11.4cm (4.5 in.)	S07897	4.10/Ea
Iris scissors; straight fine points	11.4cm (4.5 in.)	S08088	3.05/Ea
Mayo scissors; two semi-blunt points	14cm (5.5 in.)	S08094	4.10/Ea
Operating scissors; one point sharp, one point blunt	14cm (5.5 in.)	S08090	4.10/Ea
Operating scissors; one point sharp, one point blunt	16.5cm (6.5 in.)	S08091	5.25/Ea
Operating scissors; two sharp points	14cm (5.5 in.)	S08092	4.10/Ea
Operating scissors; two sharp points	16.5cm (6.5 in.)	S08093	5.25/Ea
Bone cutter; heavy duty; single and double spring settings	17.7cm (7 in.)	S08105	19.75/Ea

Eisco Disposable Forceps

Disposable nylon forceps for single use applications.



- Serrated tips for easy gripping of objects
- Corrugated handles for improved ease of use
- Contoured handles for a natural holding position
- 5 in. length

Cat. No.	Description	Price
S13946	Disposable Forceps	6.95/Pk

SP Scienceware™ Plastic Forceps

Medium serrated tips allow a good grip on tissue.



- Economical polypropylene forceps
- Autoclavable
- Length: 5 in. (12.7cm)

Cat. No.	Description	Price
S17315F	Plastic Forceps	4.35/Ea

Featherweight Entomology Forceps

Ideal for handling larvae or eggs without crushing them or specimens stored in vials



- Bendable
- Set of 2 contains one fine tip and one wide top forceps

Cat. No.	Description	Price
S72113	Narrow Point	6.75/Ea
S72114	Broad Point	6.75/Ea
S72110	Featherweight Entomology Forceps, Set of 2	13.25/Ea

Microdissection Forceps Set of 5

Microdissection Forceps Set of 5 is ideal for super-fine dissection applications and working under a microscope

- Contains widely used 5 pairs of forceps
- Highly precise and extra fine tips to perform micro-dissection
- Includes 2 curved and 3 straight micro-dissection forceps
- Stainless Steel
- Transparent case



Cat. No.	Description	Price
S72112	Microdissection Forceps Set of 5	20.50/Ea

Microdissection Forceps 4.5-inch, Stainless Steel

Microdissection Forceps 4.5-inch, Stainless Steel are ideal for working under a microscope



- Dissecting forceps is great for micro-dissection work
- Features straight or curved narrow precision points to help access hard-to-reach areas during dissection
- Narrow precision points are excellent for precisely manipulating minuscule specimens under the microscope
- Premium quality stainless steel offers durability and reliability
- Working under the microscope
- Watch makers application
- Splinter removal

Cat. No.	Description	Price
S72115	Long Narrow Points	3.00/Ea
S72116	Tapered Fine Points	3.00/Ea
S72117	Fine Curved Points	3.00/Ea

Bone-Cutting Shears

Heavy-duty shears that cut through bones.

- Made of stainless steel, the small shear is ideal for small bones
- The large shears cut large bones easily and cleanly
- Length: 5.5 in.



Cat. No.	Description	Price
S17342	Bone Cutting Shears	41.25/Ea

Eisco T-Pins for Dissecting

Sold in boxes of 100.

- Nickel plated
- 1.5 in.



Cat. No.	Description	Price
S99385	T-Pins	5.15/Pk

Insect Pins with Yellow Epoxy Head

Coated with a black corrosion-resistant finish.

- Steel pins
- Yellow epoxy heads
- Available in sizes 00 through 5
- Pack of 100



Cat. No.	Size	Price
S04536C	2	4.95/Pk
S04536A	0	4.95/Pk
S04536F	5	4.95/Pk

Pocket Rulers

Calibrated in inches on one edge, centimeter on the other.

- Available in clear, clear shatterproof or transparent blue styles
- Length: 6 in. (15.2cm)



Cat. No.	Color	Description	Price
S94357	Clear	Pocket Ruler	0.85/Ea
S94356	Transparent Blue	Pocket Ruler	0.85/Ea
S94358	Clear	Pocket Ruler, Shatterproof	1.05/Ea

Carolina™ Collecting Bucket with Lid

For collecting samples. Carolina™ Collecting Bucket with Lid is non-contaminating.

- Reinforced ribbing at top
- Easy transport
- Lightweight and durable

⚠ ALERT: Because this item is a living or perishable material a specified delivery date is required. Orders must be placed through Customer Service at 1-800-766-7000



Cat. No.	Capacity (English)	Price
S37720	3.5 gal.	15.00/Ea
S37719	5 gal.	17.25/Ea

Carolina™ Wetting Solution

For use as humectant and mold inhibitor for preserved specimens. Carolina™ Wetting Solution helps maintain moisture and reduce dehydration.

- Helps keep tissue pliable and easy to work with, especially over extended period of time
- Includes mold inhibitor

⚠ ALERT: Because this item is a living or perishable material a specified delivery date is required. Orders must be placed through Customer Service at 1-800-766-7000



Cat. No.	Quantity	Price
S37621	1 gal. (3.7L)	40.25/Ea

Carolina™ Carosafe™ Holding Solution

For use in formalin-preserved specimens. Carolina™ Carosafe™ Holding Solution is formaldehyde-free and cannot be used to fix specimens.

- Carosafe preservative and holding solution for biological specimens contains no formaldehyde and is not a tissue fixative
- This produces a formalin-preserved specimen that, when dissected, minimizes formaldehyde exposure

ORDERING INFORMATION:

For use in science education laboratories – no certificate of analysis is available

- Ready-to-use; do not dilute
- Health Risk: 1
- Flammability: 1
- Reactivity: 0

Cat. No.	Quantity	Price
S37678	4L	36.50/Ea

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Prepared Individual Microscope Slides

We offer a full array of specimens — from general study to zoology — prepared by skilled technicians using state-of-the-art equipment.

- Made of high-quality materials for clear images
- Prepared in several steps to ensure quality
- Quality control performed after each step

Featured Eisco Microscope Slides

Category	Description	Cat. No.
Bacteria and Protists		
	Gram Positive, <i>Bacillus</i> sp.	S29621
	Gram Positive, <i>Bacillus</i> so.	S30196
	Gram Positive, <i>Coccus</i> sp.	S29627
	Gram Negative, <i>Escherichia coli</i>	S29620
	Gram Negative, <i>Meningococcus</i> (<i>Neisseria meningitidis</i>)	S30205
	Gram Negative, <i>Salmonella typhi</i>	S30181
	Gram Positive and Negative, Mixed <i>Bacillus</i> Species	S30299
Botany		
	Anther, <i>Lilium</i> , Cross Section	S30362
	Fibers, Cotton Textile, Whole Mount	S30329
	Fibers, Linen Textile, Whole Mount	S30341
	Leaves, Composite, Cross Section	S30358
	Mitosis, Animal and Plant (<i>Ascaris</i> and Onion)	S29649
	Mitosis, Plant (Onion), Lateral Section	S29617
	Ovulate (Seed) Cone, Pine, Longitudinal Section	S30286
	<i>Prothallium</i> , Fern, Whole Mount	S30272
	Root, <i>Allium</i> Species, Cross Section	S29639
	Root, Angiosperm Dicot, Cross Section	S29655
	Root, Young Pine, Cross Section	S30372
	Stem, <i>Elodea</i> Species, Cross Section	S30186

Prepared Individual Microscope Slides

Featured Eisco Microscope Slides

Category	Description	Cat. No.
Fungi and Molds		
	<i>Aspergillus</i> Species, Whole Mount	S30303
	Lichen, Thallus Section	S30380
	<i>Rhizopus</i> Species, Whole Mount	S30280
Genetics		
	Chromosomes, <i>Drosophila melanogaster</i> , Smear	S30201
	Mitosis, <i>Lilium</i> , Longitudinal Section	S30269
	Root Tip, Onion, Whole Mount	S30348
Histology		
	Adipose Tissue, Mammal, H & E Stained Section	S29635
	Bone, Compact, Ground Section	S29632
	Blood Smear, Human, Wright's Stain	S29616
	Gallbladder, Human, Section	S30305
	Golgi Complex, Mammal, Spinal Ganglion Section	S30197
	Hyaline Cartilage, Mammal, Section	S29660
	Leukemia, Acute Lymphocytic, Stained Blood Smear	S30185
	Mammary Gland, Active, Mammal, H & E Stained Section	S30289
	Mitochondria, Mammal, Pancreas, or Intestinal Section	S29629
	Muscle, Smooth, Cardiac and Skeleton, Mammal H & E Stained Sections	S29636
Zoology		
	Bone, Spongy, Mammalian, Section	S29619
	Blood, Amphibian (Frog), Smear	S30174
	Earthworm, Cross Section	S30320
	<i>Planaria</i> , Whole Mount	S30170
Other		
	Cross Colored Threads, Whole Mount	S29626
	Letter E, Whole Mount	S29618

Visit fisheredu.com/slides or contact your Fisher Science Education sales representative for a full listing of available slides.

Prepared Slides

Visual Microscopy Learning Kits

Photomicrographs of classical microorganisms, each in a durable, versatile frame.

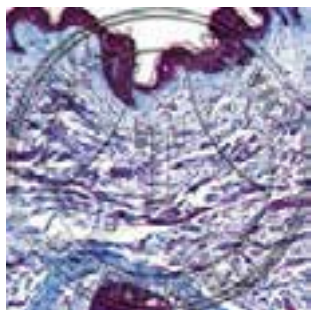


The large 16 × 20 inch size and high resolution images makes it easy for a student to see cellular or tissue features that are often difficult for the student to understand on a small print or microscope slide. A teacher's guide is provided with each kit, complete with lesson plan options and classroom discussion questions. Frames are durable PVC, versatile because they are ready-to-hang on any hook or used in student hands, and can be written on with a dry erase marker.

Cat. No.	Description	Price	Cat. No.	Description	Price
S39054	Elodea, Cheek, Bacteria, Red Pepper, Banana, and Red Onion	209.00/Ea	S39082	Teased Peripheral Nerve Visual Microscopy Learning Kit	37.50/Ea
S39055	Elodea Visual Microscopy Learning Kit	37.50/Ea	S39083	Dorsal Root Ganglion Visual Microscopy Learning Kit	37.50/Ea
S39056	Cheek Cell Visual Microscopy Learning Kit	46.75/Ea	S39084	Cerebral Cortex Visual Microscopy Learning Kit	37.50/Ea
S39057	Red Pepper Cell Visual Microscopy Learning Kit	37.50/Ea	S39085	Blood Cell Visual Microscopy Learning Kit	167.00/Ea
S39058	Banana Cell Visual Microscopy Learning Kit	37.50/Ea	S39086	Neutrophil Visual Microscopy Learning Kit	37.50/Ea
S39059	Red Onion Cell Visual Microscopy Learning Kit	46.75/Ea	S39087	Lymphocyte Visual Microscopy Learning Kit	37.50/Ea
S39060	Epithelial Tissue Visual Microscopy Learning Kit	194.00/Ea	S39088	Monocyte Visual Microscopy Learning Kit	37.50/Ea
S39061	Simple Squamous Epithelium Visual Microscopy Learning Kit	37.50/Ea	S39089	Eosinophil Visual Microscopy Learning Kit	46.75/Ea
S39062	Simple Cuboidal Epithelium Visual Microscopy Learning Kit	37.50/Ea	S39090	Basophil Visual Microscopy Learning Kit	37.50/Ea
S39063	Simple Columnar Epithelium Visual Microscopy Learning Kit	37.50/Ea	S39091	Microbiology Visual Microscopy Learning Kit	294.00/Ea
S39064	Sratified Squamous Epithelium Visual Microscopy Learning Kit	37.50/Ea	S39092	Gram Positive Cocci Visual Microscopy Learning Kit	37.50/Ea
S39065	Pseudostratified Epithelium Visual Microscopy Learning Kit	37.50/Ea	S39093	Gram Negative Cocci Visual Microscopy Learning Kit	37.50/Ea
S39066	Transitional Epithelium Visual Microscopy Learning Kit	37.50/Ea	S39094	Gram Positive Bacilli Visual Microscopy Learning Kit	37.50/Ea
S39067	Muscle Tissue Visual Microscopy Learning Kit	280.00/Ea	S39095	Coccal Tetrads Visual Microscopy Learning Kit	37.50/Ea
S39068	Skeletal Muscle Tissue Visual Microscopy Learning Kit Showing Striations	37.50/Ea	S39096	Bacillus Chains Visual Microscopy Learning Kit	37.50/Ea
S39069	Skeletal Muscle Tissue Visual Microscopy Learning Kit Showing Both CS (Multinucleate) and LS (Striations)	37.50/Ea	S39097	Gram Positive Coccobacilli Visual Microscopy Learning Kit	37.50/Ea
S39070	Skeletal Muscle Tissue and Fascia Visual Microscopy Learning Kit	37.50/Ea	S39098	Gram Negative Coccobacilli Visual Microscopy Learning Kit	37.50/Ea
S39071	Muscle Tissue Visual Microscopy Learning Kit Showing Neuromuscular Junctions	37.50/Ea	S39099	Gram Negative Bacilli Visual Microscopy Learning Kit	37.50/Ea
S39072	Cardiac Muscle Tissue Visual Microscopy Learning Kit Showing Striations	37.50/Ea	S39100	Acid Fast Stained Bacteria Visual Microscopy Learning Kit	37.50/Ea
S39073	Cardiac Muscle Tissue Visual Microscopy Learning Kit Showing Central Nuclei	37.50/Ea	S39101	Three types of Bacteria Visual Microscopy Learning Kit	37.50/Ea
S39074	Smooth Muscle Tissue Visual Microscopy Learning Kit	46.75/Ea	S39102	Connective Tissue Visual Microscopy Learning Kit	280.00/Ea
S39075	Nervous Tissue Visual Microscopy Learning Kit	280.00/Ea	S39103	Areolar Connective Tissue Visual Microscopy Learning Kit	37.50/Ea
S39076	Spinal Cord Visual Microscopy Learning Kit	37.50/Ea	S39104	Dense Regular Connective Tissue Visual Microscopy Learning Kit	37.50/Ea
S39077	Spinal Gray Matter Visual Microscopy Learning Kit	37.50/Ea	S39105	Dense Irregular Connective Tissue Visual Microscopy Learning Kit	37.50/Ea
S39078	Spinal White Matter Visual Microscopy Learning Kit	46.75/Ea	S39106	Adipose Connective Tissue Visual Microscopy Learning Kit	37.50/Ea
S39079	Spinal Central Canal Visual Microscopy Learning Kit	37.50/Ea	S39107	Blood Visual Microscopy Learning Kit	37.50/Ea
S39080	Multipolar Neuron Visual Microscopy Learning Kit	46.75/Ea	S39108	Bone Visual Microscopy Learning Kit	37.50/Ea
S39081	Peripheral Nerve Visual Microscopy Learning Kit	37.50/Ea	S39109	Elastic Cartilage Visual Microscopy Learning Kit	37.50/Ea
			S39110	Hyaline Cartilage Visual Microscopy Learning Kit	37.50/Ea
			S39111	Reticular Connective Tissue Visual Microscopy Learning Kit	37.50/Ea

Histology Slides

Includes a wide assortment of mammalian cells from epithelial, blood, muscle, nervous, and respiratory tissues. Also available are slides from other chordates.



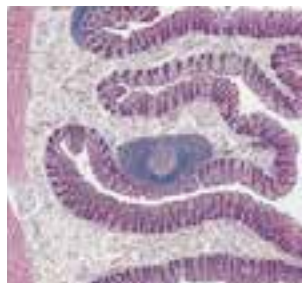
- Carefully prepared slides will be welcome additions to your classroom
- Students can see detail available only from firsthand observation
- Groups of slides are shipped in a slide case for easy storage

Cat. No.	Description	Price
S12009	Blood Vascular Histology Slides	8.25/Ea
S12127	Skin Histology Slides	5.25/Ea

Histology of Mammalia, Basic Set

Precision slides are mounted by expert microtechnicians.

Basic set of 25 slides are created from fresh, top-quality specimens and expertly fixed, stained and hand-mounted by specialists in the field. Ultrasonically cleaned to eliminate striations and bubbles.



INCLUDES:

- Squamous epithelium, isolated cells
- Fibrous connective tissue
- Adipose tissue, fat stained
- Hyaline cartilage, c.s.
- Compact bone, c.s.
- Striated muscle, l.s.
- Smooth muscle, c.s. and l.s.
- Blood smear, human
- Artery, c.s.
- Vein, c.s.
- Lung, c.s.
- Pancreas with islets of Langerhans, c.s.
- Tongue, c.s.
- Stomach, fundic region, c.s.
- Small intestine, c.s.
- Liver, c.s.
- Kidney, c.s.
- Ovary with developing follicles, c.s.
- Testis with spermatogenesis, c.s.
- Cerebrum, c.s.
- Cerebellum, c.s.
- Spinal cord, c.s.
- Nerve fibers isolated
- Motor nerve cells, smear from spinal cord
- Scalp, human, l.s. of hair follicles

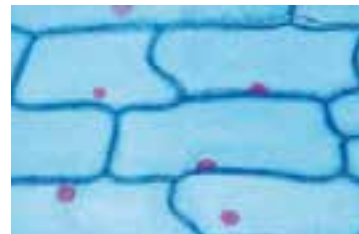
Cat. No.	Description	Price
S2400	Histology of Mammalia, Elementary Set	247.00/Pk

Fisher Science Education™ Plant Cells Basic Slide Set

Take a closer look at plant cells.

Set of six slides includes:

- Mitosis, l.s. from *Allium* root tips showing all stages of plant mitosis carefully stained with iron-hematoxyline after Heidenhain
- Epidermal cells of *Allium cepa* (onion), flat mount shows typical plant cells with nuclei, cytoplasm and cell walls
- Sieve plates in top view, t.s. of *Cucurbita* stem showing large structures
- *Spirogyra*, in scalariform conjugation and after the stage of conjugation showing zygotes, w.m.
- Wood cells, fibers and vessels of *Fagus*, beech, macerated and w.m.
- Starch grains, sec. of tuber of *Solanum tuberosum*, potato showing starch and cork cells



INCLUDES:

Plastic box for 25 microscope slides

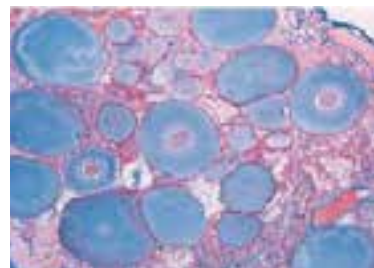
Cat. No.	Description	Price
S68787	Plant Cells Basic Slide Set	102.00/Ea

Fisher Science Education™ Animal Cells Basic Slide Set

A variety of basic animal cell slides.

Set of six slides includes:

- Squamous epithelium, isolated cells from human mouth, smear
- Striated (skeletal) muscle l.s.
- Nerve cells and fibers in spinal cord of cat, t.s. routine stained
- Ovary of cat, t.s. for general study, shows primary, secondary and Graafian follicles
- Testis of rat, t.s. showing spermatogenesis
- Giant chromosomes, smear from salivary gland of *Chironomus*, carefully fixed and stained



INCLUDES:

Plastic box for 25 microscope slides

Cat. No.	Description	Price
S68788	Slide Set, Animal Cells	103.00/Ea



**YOUR STEM PROGRAM:
MAKE IT AMAZING!**

fisheredu.com/STEM: Your source for products, professional development, resources and everything STEM.

3B Scientific™ Water Pollution Problems and Results Slide Set

20 microscope slides

- Intestinal bacteria (*Escherichia coli*) from putrid water
- Putrefactive bacteria (*Spirillum*) from sludge poor in oxygen
- Putrefactive bacteria (*Sphaerotilus*) bacteria, forming long chains
- Sludge bacteria (*Methanobacterium*) causing sewer gas
- Sulphur bacteria (*Thiocystis*)
- Wasserbluthe (*Microcystis*), blue-green alga “blooming” in stagnant water
- Anabaena, blue green algae, in eutrophic water
- Spirogyra, filamentous green alga in nutrient-rich water
- Spirulina, corkscrew-shaped algae occurring in bitter seas
- Chlamydomonas, one-celled green alga in eutrophic water
- Cladophora, green alga from moderately polluted water
- Diatoms, mixed algae from scarcely polluted water
- Euglena, green flagellates occurring in stagnant eutrophic water
- Ciliates, different species from nutrient-rich water
- Rotifers (*Rotatoria*), small animals from putrid water
- Tubifex, fresh water oligochaete, living in the sludge
- Carchesium, stalked ciliate from moderately polluted water
- Water mold (*Saprolegnia*), harmful to plants and animals
- Skin of fish injured by chemicals, t.s.
- Skin ulcer of an amphibian, t.s.



Animal Cell Set

Twelve slides show a variety of tissues.

Set contains 12 slides of animal cytology with depicted accompanying brochure. Epithelium, muscle, bone, nerve, internal organs, sex organs and chromosomes are all represented in this slide set. It shows a fine cross section of tissue types useful for classroom microscope study.



Includes:

- Squamous epithelium, isolated cells from human mouth. Nuclei and cytoplasm are shown
- Striated muscle l.s. showing nuclei, striations, myofibrils
- Compact bone and hyaline cartilage t.s., two sections on one slide for comparison
- Nerve fibres isolated, fixed and stained by osmic acid to show myelene sheaths and Ranvier's nodes
- Liver of Salamandra t.s., showing simple animal cells with cellular membranes, nuclei, and cytoplasm
- Kidney of mouse, t.s. vital stained with trypanblue to demonstrate the storage of epithelial cells
- Ovary of cat, t.s. showing primary, secondary, and Graafian follicles
- Testis of frog, t.s. showing spermatogenesis. Spermatogonia, spermatocytes, spermatids, and mature spermatozoa
- Salamandra larva, t.s. of skin and other organs selected to show cell division (mitosis) in various stages
- Uteri of *Ascaris megalocephala*, t.s. iron hematoxyline stained to show details of meiosis with chromosomes and nuclear spindles
- Salivary gland of *Chironomus* larva. Giant chromosomes showing large chromomeres. Stained for DNA after Feulgen
- Ova from *Psammechinus* (sea urchin). Unfertilized ova, fertilized ova, early cleavage stages

Cat. No.	Description	Price
S95070L	Microscope Slide Set, Water Pollution; 20 slides	221.00/Pk

Cat. No.	Description	Price
S5000	The Animal Cell 12 Slides	232.00/Ea

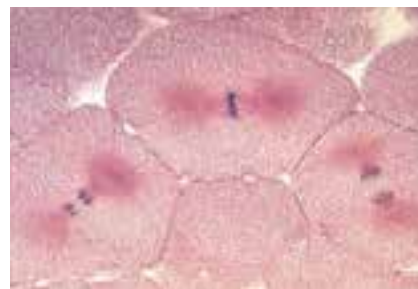
Mitosis, Meiosis and Fission Set

Shows IPMAT in slides.

Set of five slides shows the stages of nuclear division, cytokinesis, reduction division and even fission in *Paramecium*.

INCLUDES:

- *Vicia faba* (broad bean) root tip squash, showing all stages of mitosis, stained with Feulgen reaction for DNA. *Vicia* has 12 large chromosomes
- Whitefish mitosis, sections of *Coregonus* blasto-disc, all stages of mitosis shown
- Lily meiosis, first meiotic divisions in cross section of liliium anther
- Grasshopper Testis, l.s. to show spermatogenesis and spermiogenesis; stained with iron-hematoxylin
- *Paramecium caudatum* in fission, w.m. of mass culture including several specimens in fission



Cat. No.	Description	Price
S10044	Mitosis Meiosis and Fission 5/pk	129.00/Pk

Animal Science

Chick Life Cycle Exploration Set

Crack open set of 21 eggs and see the day-by-day development of a chick.

Features realistic illustrations of a developing chick in eggs 1 to 20, plastic 3-D chick inside the final egg.



- Invites children to make hands-on connections to life science and life cycles
- Reinforces concepts and related vocabulary with multilingual Activity Guide that includes definitions, chicken facts and a blackline master to label
- Enables self-checking and easy organization with numbered label on each egg and numbered places in storage tray
- Durable plastic eggs measure 2.75 in.L each; plastic tray measures 15L x 8.5 in.W

ORDERING INFORMATION:

Grades K to 4.

Cat. No.	Description	Price
S98475	Chick Life Cycle Exploration Set	40.00/Ea

Small Barn Owl Pellets

Students learn the nature of food chains and how to demonstrate the role of predators in the ecosystem.

- Average size of pellet is less than 1.5 in. long
- From Pacific Northwest or other areas
- Package of 20



Cat. No.	Description	Price
S04784	Small Barn Owl Pellets	54.00/Ea

Large Barn Owl Pellets

Students learn the nature of food chains and how to demonstrate the role of predators in the ecosystem.

Pellets are collected from natural nesting and roosting sites of the barn owl. Each pellet is unique in size, shape and contents.

- Average size of pellet is 2.5 to 3 in. (6.3 to 7.6cm) long
- Heat sterilized and individually wrapped in foil



Cat. No.	Description	Price
S193661	Barn Owl Pellet	61.25/Pk
S19366PI	Barn Owl Pellet	40.25/Pk

Classroom Owl Pellet Kit

Economical and complete for individualized learning.

Kit provides all of the materials necessary to perform an analytical analysis of the owl's habitat, its primary food source and its relationship in the food chain.

ORDERING INFORMATION:

Class size: 30 students.

INCLUDES:

15 heat sterilized, individually wrapped barn owl pellets from the Pacific Northwest; poster depicting the food web in a typical barn owl community; poster of the skeleton of the vole (the most common food of barn owls); bone sorting chart; complete teaching guide containing background information, suggested teaching strategies, a laboratory guide, suggestions for collecting owl pellets and references



Cat. No.	Description	Price
S19366B	Owl Pellet Kit	89.00/Ea

Kemtec™ Owl Pellet Kit

Students discover what an owl had to eat by examining the owl pellet.



- Includes bone charts for identifying bones and assembling them into skeletons to evaluate an owl's food source
- Explore feeding habits of owls and their place in food chain
- May be used by older students to study intricate balance and relationships between tropic levels in food web, energy flow and population densities
- Includes 12 owl pellets and all dissection materials
- Grades K to 12
- Class size: 24 students

INCLUDES:

Instructor manual, student data sheets, bone charts, sterilized owl pellets, hand magnifiers, tweezers, plastic bags, toothpicks

Cat. No.	Description	Price
S02094	Owl Pellet Kit	108.00/Ea

Kemtec™ Food Chain Kit

Introduces students to the concepts of food chains.

- For students to study different relationships within an environment, importance of each organism, how energy is transferred, and delicate balance in environment of food web
- Discuss producers, consumers, herbivores, carnivores, omnivores, predators, prey, decomposition, energy flow, food cycles, food chains, food webs, and food pyramids
- Observe pond water and soil habitat food webs and pyramids
- Study effects of acid rain, road salt and field runoff on environments
- Model decomposition of plant matter
- Design own food webs
- Grades 4-7
- Class size: 24 students



INCLUDES:

Instructor manual, student data sheets, overhead transparencies, food chain picture card game, CD with images, Ziploc™ bags and cotton swabs

Cat. No.	Description	Price
S02091	Food Chain Kit	113.00/Ea

LAB-AIDS™ Owl Pellet Study Kit

Dissect owl pellets and identify contents using illustrated worksheets.

- Useful in studying animal skeletons, the feeding habits of owls and their role in the food chain
- Undigested bones, teeth, hair and feathers are pressed into a pellet that is regurgitated by owls
- Assemble the bones and identify the owl's food source



ORDERING INFORMATION:

Class size: 30 students.

INCLUDES:

- 15 owl pellets collected from one region, fumigated, individually wrapped and treated with dichloride
- 15 teasing needles
- 30 worksheets
- 15 specimen identification sorting charts
- 15 keys to mammals commonly eaten by owls
- Manual and background information

Cat. No.	Description	Price
S19366	Owl Pellet Study	124.00/Ea

LAB-AIDS™ Natural Selection Experiment Kit

Test Darwin's famous theory.

During England's Industrial Revolution, air pollution darkened the bark of trees; it was therefore difficult for predatory birds to see and catch black-winged moths, so the birds ate more white-winged moths. The result was that the moth population shifted more and more toward the black-winged variety. Duplicate the famous "peppered moth" evolution in your lab — students set up environmental trays to collect data.



- A realistic way to demonstrate Darwin's Theory of Natural Selection, industrial melanism and environmental pollution
- Experiment simulates the predator-prey relationship that changed the balance of nature for the light and dark peppered moth

Cat. No.	Description	Price
S19454	Natural Selection Experiment Kit	67.25/Ea

LAB-AIDS™ Classifying Animals

Students construct and compare animal classification systems. LAB-AIDS™ Classifying Animals helps demonstrate how and why biologists classify animals.

Students work together to arrange a set of 18 Animal Cards into groups and then adjust their groupings as they learn how scientists classify animals into phyla.

By identifying the common features of animals within each phylum, students learn what kinds of characteristics define the major animal phyla. Each card provides a color photo of an organism as well as relevant information about skeletal, circulatory, and respiratory systems. Students review the relationship between kingdom and phyla by placing the Animal Cards within a set of Classification Cards that summarize the five major kingdoms.



- Maximum 32 students/8 groups
- One 50 minute class period
- Non-consumable; can be reused

Concepts Illustrated:

- Construct and compare classification systems
- Describe characteristics used to define phyla
- Identify several invertebrate phyla
- Understand the relationship between kingdom and phylum

INCLUDES:

Teacher's guide; 8 sets of 18 Animal Cards; 8 sets of 5 Classification Cards; 32 student worksheets and guides; 32 student data sheets: Biologists Classification

Cat. No.	Description	Price
S90183	Classifying Animals Kit	77.00/Ea

LAB-AIDS™ Natural Selection and Antibiotic-Resistant Bacteria

Antibiotics are effective against many bacterial infections, but not against viral infections.

- Model the effects of antibiotics on the population of disease-causing bacteria during an infection
- Some groups will model the full course of antibiotics, while others will miss doses
- Graph populations of more-resistant and less-resistant bacteria
- Demonstrates how more-resistant bacteria forms when treatments are intermittent or discontinued prematurely



Cat. No.	Description	Price
S94501	Natural Selection and Antibiotic-Resistant Bacteria Kit	93.00/Ea

Plant Models

Eisco Typical Flower Model

Detachable model of flower for botanical study.

- Ovary with single interior ovule
- Fixed on base
- Numbered with English Key Card
- L x W x H: 42 x 22 x 33cm (16.5 x 8.6 x 13 in.)



Cat. No.	Description	Price
S15626	Flower Model	72.50/Ea

Dicot Flower Model

Allows students to easily study the floral components and reproductive functions of flowers.

Enlarged to approximately eight times life size.

- Can be disassembled to reveal the pollen grains inside and show the process of pollination
- Structures are numbered on the flower model and correspond to an identification key
- Dimensions: 17.7 x 15.7 x 12 in. (45 x 39.9 x 30.5cm)



Cat. No.	Description	Price
S06699	Dicot Flower Model	142.00/Ea

Giant Magnetic Plant Life Cycles

Enlarged for demonstration on the whiteboard.



- Real-life photos model
- Displays up to six stages in life cycle of a bean plant and apple tree
- Label-free for versatility
- Largest piece measures 9H x 7 in.L

ORDERING INFORMATION:

Grades K+.

Cat. No.	Description	Price
S04229	Giant Magnetic Plant Life Cycles Model; Grades K+	22.00/Ea

Edvotek™ Brassica Quick Plant™ Seeds

Quick-growing seeds encourage hands-on classroom activities.

- Vial contains 200 seeds



Cat. No.	Description	Price
S05697	200 Seeds	57.00/Ea

Edvotek Quick Plants™ Seeds

From seed to flower in 6-7 weeks.

- Grow rapidly and flourish under fluorescent light
- Rapid growth makes these plants ideal for classroom use
- Scientific Name: *Arabidopsis thaliana*
- 300 Seeds



Cat. No.	Description	Price
S94675	Dwarf Type Quick Plant Seed	27.25/Ea

Edvotek™ Advanced Placement Laboratory Kit 4: Plant Pigment Chromatography and Photosynthesis

Experiment demonstrates light-dependent reactions of photosynthesis by colorimetric assay, and helps students to gain an understanding of the biochemical processes by which they work.

Reformulated solvent systems are less flammable and less toxic than commonly used ether and acetone systems.

- Gain an understanding of the theory and applications of chromatography
- Use thin layer chromatography to separate plant pigments carotene, xanthophyll, and chlorophyll
- Perform an assay of the light reactions of photosynthesis using intact chloroplasts and the dye DCIP

INCLUDES:

instructions, chloroplast extraction; dilution buffers, reducing reagent, DCIP, standard pigments, chromatography solvent, Sarkosyl, thin layer cellulose chromatography plate, microliter capillary pipets, tubes and transfer pipets.

ORDERING INFORMATION:

Class size: 10 laboratory groups (40 students).

REQUIRES:

- Visible wavelength spectrophotometer (see S42669ND)
- Pencils
- Clinical benchtop centrifuge
- Metric rulers
- Test tube racks
- Flood light or small portable lamps (60w is sufficient)
- Pipet pumps or bulbs
- Distilled water
- Test tubes, 10mL (13 × 100mm)



- Beakers, 100mL
- Pipets, 1 and 5mL
- Ice
- Cheesecloth
- 95-100% isopropanol† (2-propanol)
- Aluminum foil
- Fresh spinach

Cat. No.	Description	Price
S11284	AP Lab Kit 4: Plant Pigment Chromatography and Photosynthesis	140.00/Ea

† Rubbing alcohol will not work, as it is only 70% isopropanol.

Edvotek™ Introduction to Plant Cell Culture

Great introduction to plant cell culture.

- Two-part experiment establishes cell cultures from plant materials and focuses on plant regeneration
- Learn about sterile testing procedures, components of plant culture media and effects of plant growth regulators on cell cultures

REQUIRES:

- *Saintpaulia ionantha* (African Violet)
- Distilled water
- 70% and 95% ethanol
- 100% isopropanol
- Bleach
- Forceps
- Scalpels and blades
- Laminar flow hood or sterile transfer hood
- 10cm test tubes and racks
- Antibacterial soap
- Gloves
- Fluorescent light source
- Beaker, 600mL
- Sterile beakers
- Aluminum foil
- Pipet pump
- Spray bottle

INCLUDES:

- Shoot initiation growth medium; shoot elongation growth medium
- Tween™
- Sterile Petri plates
- Parafilm
- Growth container
- Peat pellets



- 10mL pipets
- Complete instructions, background information and study questions

Cat. No.	Description	Price
S67263	Plant Cell Culture Kit	146.00/Ea

LAB-AIDS™ Photosynthesis and Cellular Respiration

An investigation into the reactions of photosynthesis and cellular respiration. LAB-AIDS™ Photosynthesis and Cellular Respiration is a real-world, non-consumable activity introducing photosynthesis and cellular respiration in the context of carbon cycling in 2-3 class periods.

In Part 1 of this kit, students test several common objects to determine if they are conductors or insulators. In Part 2, students test electrical conductivity in aqueous solutions. Tests include an acid, base, salt, alcohol and a hydrocarbon. This kit is an excellent introduction for students in physical science, general science and introductory chemistry courses. Conductivity indicators are required for these activities, but are not included with this kit.

- 6 groups of 4 students
- Non-consumable; can be used for years
- Ambient temperature safe
- Keep dry

Concepts Illustrated:

- Photosynthesis is a cellular process through which organisms capture light energy from the sun and use it to generate and store energy
- Cellular respiration releases stored energy in glucose, allowing the organism to function
- The products and reactants in photosynthesis and cellular respiration - energy, carbon dioxide, water, glucose and oxygen
- Students make accurate interpretations, inferences, and conclusions.



INCLUDES:

Teacher's guide, 28 student worksheets and guides, 6 sets of 8 photosynthesis and cellular respiration cards, 6 sets of 12 photosynthesis and cellular respiration strips, 6 sets of 2 category cards, 1 transparency 1: Kelp Forest Food Web

Cat. No.	Description	Price
S02447	Photosynthesis and Cellular Respiration Kit	97.00/Ea

REQUIRES: Conductivity indicators

Photosynthesis and Respiration Chamber

Monitor the cycle of photosynthesis and respiration of plants using O₂, CO₂ and light sensors over several days.

Supplied with respiration chamber, #0 and #7 rubber stoppers, instructions.

REQUIRES:

NeuLog™ Oxygen Logger Sensor (S98243-8ND), CO₂ Logger Sensor (S98243-3ND), and Light Logger Sensor (S98243-20ND); sensors not included



Cat. No.	Description	Price
S02141**	Photosynthesis and Respiration Chamber	33.50/Ea

Plant Trays

Perfect seed starters that never rot or rust.



- Made of high-impact polystyrene
- Can also be used for a variety of laboratory applications
- Nest for easy storage

Cat. No.	Depth (English)	Length (English)	Width (English)	Price
S17642	2.5 in.	8 in.	12 in.	7.05/Ea
S17644	3.5 in.	13 in.	15 in.	11.75/Ea
S17641	2.5 in.	8 in.	8 in.	3.85/Ea
S17640	2.5 in.	4 in.	8 in.	3.00/Ea



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MAKING SCIENCE MATTER

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* California - WARNING: Cancer www.P65Warnings.ca.gov
** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Plant LITE™ Carts

Easily movable wheeled cart.

Keep classroom plants together and well lit.

- Made from 1 in. square aluminum tubing
- Easy to assemble
- Shelves are not adjustable
- Deluxe ballasts moderate power consumption
- Dimensions: 74 × 53 × 23 in. (185 × 132.5 × 57.5cm)

INCLUDES:

- Four 22 × 11 in. (55 × 27.5cm) Perma-Nest trays per shelf
- Four 3 in. (8cm) wheels
- Three light fixtures
- Six Gro-Lux™ wide-spectrum bulbs



Cat. No.	Description	Price
S17995	Plant Lite Carts	909.00/Ea

GrowLab™ II Compact Indoor Garden

Ideal for classrooms on a budget where space is limited and/or mobility is not an issue.

Complete, programmable, indoor growing unit allows more freedom.

- Sturdy, easy-to-assemble frames constructed of 1 in. (2.5cm) square aluminum
- Lightweight, 48 in. (123cm) fluorescent fixtures on easy-to-adjust slide rods
- 40w Sylvania™ Gro-Lux™ wide-spectrum bulbs for optimum plant growth
- Removable plant trays constructed of rigid heavy-duty plastic
- 24-hour programmable timers control “day” length
- Plastic moisture grids provide water for plants on weekends
- Humidity tent provides a moist and warm growing environment



ORDERING INFORMATION:

Frame dimensions: 54 × 12 × 40 in. (135 × 30 × 100cm).

INCLUDES:

- One light fixture
- Two 40w Gro-Lux wide-spectrum bulbs
- Two plastic trays
- Two moisture grids
- 24-hour timer
- Climate control tent
- 128-page teacher's manual
- “Growlab: A Complete Guide to Gardening in the Classroom”

Cat. No.	Description	Price
S28280	Compact Indoor Garden	339.00/Ea

GrowLab™ II Mobile Indoor Garden

A full-size, movable GrowLab.

These complete, programmable, indoor growing units allow you more freedom. Developed by the National Gardening Association.



- Top shelf is used for growing and the bottom for supply storage
- Sturdy, easy-to-assemble frame is constructed of 1 in. (2.5cm) square aluminum
- Lightweight, 48 in. (123cm) fluorescent fixtures on easy-to-adjust slide rods
- 40w Sylvania™ Gro-Lux™ wide-spectrum bulbs for optimum plant growth
- Removable plant trays constructed of rigid heavy-duty plastic
- 24-hour programmable timers to control “day” length
- Plastic moisture grids provide water for plants on weekends
- Humidity tent provides a moist and warm growing environment

ORDERING INFORMATION:

Frame dimensions: 54 × 23 × 74 in. (135 × 57.5 × 185cm)

INCLUDES:

- Two light fixtures
- Four 40W Gro-Lux wide spectrum bulbs
- Eight plastic trays
- Four moisture grids
- Four locking casters
- 24-hour timer
- Climate control tent
- Power strip
- 128-page teacher’s manual, “GrowLab: A Complete Guide to Gardening in the Classroom”

Cat. No.	Description	Price
S28282	Mobile Indoor Garden	698.00/Ea

Eisco Potometer Apparatus

For measuring transpiration and humidity.

- Glass capillary tube with millimeter scale connected via three-way tap to syringe
- Mounted on strong backing plate
- Supplied with manual
- 15 × 7.5 × 19.5cm



Cat. No.	Description	Price
S24470	Potometer Apparatus	28.75/Ea

Soil pH Meter

Meter designed exclusively for quick soil testing.

- Measures soil pH from 3.5 to 9 so you can ensure proper plant nutrition
- No more litmus paper, chemicals or messy solutions
- No batteries required — meter works by sensing minute soil currents
- Packaging includes detailed instruction with optimal pH values for more than 400 plants



Cat. No.	Description	Price
S45153	Soil pH Meter	29.75/Ea

Thermo Scientific™ Growth Chamber



Versatile, programmable growth chamber is perfect for plants, animals and cultures.

- ON/OFF indicator lights show chamber status at a glance
- One shelf, four fluorescent lights; manual
- Three incandescent lamps
- Two interior electrical outlets
- Heating cable with temperature sensor
- Watertight removable plastic bottom
- Dual-function panel hygrometer/thermometer
- Chamber volume: 14.2 cu. ft.
- Made of rugged steel construction finished with white enamel inside and brown enamel outside
- Operates on 120VAC 800W
- Bulbs/lights are required but not included



Single control panel features:

- Main power switch
- Lamp switch
- Thermostat
- 24-hour timer/programmer
- Switches for heater and fan

ORDERING INFORMATION:

- Overall dimensions: 52 × 18.5 × 38 in. (132 × 47 × 97cm)
- Interior dimensions: 50 × 17 × 29 in. (127 × 43 × 74cm)
- Shipping weight: 107kg

Cat. No.	Description	Price
S53096MF	Growth Chamber	7528.00/Ea
S530961MF	Stand For Growth Chamber	1454.00/Ea

Biology

Cell Biology

Eisco Model Animal Cell on Stand

Basic large-size animal cell ideal for introducing the study of cells to students.

- Large model of a basic animal cell shows internal structures and organelles on one side
- Nucleus is cut away to show nucleolus
- Mounted on stand
- Supplied with English Key Card
- L x W x H: 25 x 18 x 34cm (9.8 x 7.1 x 13.4 in.) approx
- Weight: 700g (1.5 lb.) approx



Cat. No.	Description	Price
S13025	Animal Cell Model On Stand	210.00/Ea

3B Scientific™ Animal Cell Model

Shows form and structure of a typical animal cell as viewed from an electron microscope.

- All important organelles are raised and displayed in color
- Dimensions: 8.25 x 4.33 x 12.25 in. (21 x 11 x 31cm)

Displays:

- Nucleus
- Mitochondrion
- Smooth endoplasmic reticulum (ER)
- Rough endoplasmic reticulum (ER)
- Basal membrane
- Collagen fibers
- Golgi apparatus
- Microvilli
- Lysosome



Cat. No.	Description	Price
S96170	Animal Cell Model	383.00/Ea

3B Scientific™ Plant Cell Model

Magnified 500,000 to 1,000,000 times.

- Two-piece model presents the structure of a typical plant cell with cytoplasm and cell organelles as viewed from an electron microscope
- All important organelles are raised and displayed in color
- Dimensions: 7.8 x 5.5 x 12.6 in. (20 x 14 x 32cm)



Displays:

- Cell wall
- Cell membrane
- Nucleus
- Smooth endoplasmic reticulum
- Rough endoplasmic reticulum
- Ribosomes
- Chloroplasts
- Mitochondria
- Dictyosomes/Golgi apparatus

Cat. No.	Description	Price
S96171	Plant Cell Model	383.00/Ea

Eisco Plant and Animal Cell Comparison Model

Set of two models to compare plant and animal cells.



- Enables teaching of plant and animal cell structures
- Numbered with English Key Card
- Mounted on stand
- Size: 24L x 17W x 18cm H (9.5 x 6.7 x 7 in.)

Cat. No.	Description	Price
S15637	Plant and Animal Cell Comparison Model	110.00/Ea

Eisco Animal Cell Division Mitosis Model

Displays different stages in mitotic cell division.



- Set of 10 models
- Depicts resting cell, early prophase, prophase, late prophase, metaphase, anaphase, late anaphase, telophase and daughter cells
- Size: approx. 50L × 45W × 4cm (19.6 × 17.7 × 1.5 in.)

Cat. No.	Description	Price
S15641	Animal Cell Division Mitosis	147.00/Ea

Eisco Animal Cell Division Meiosis Model

Displays different stages in meiotic cell division.

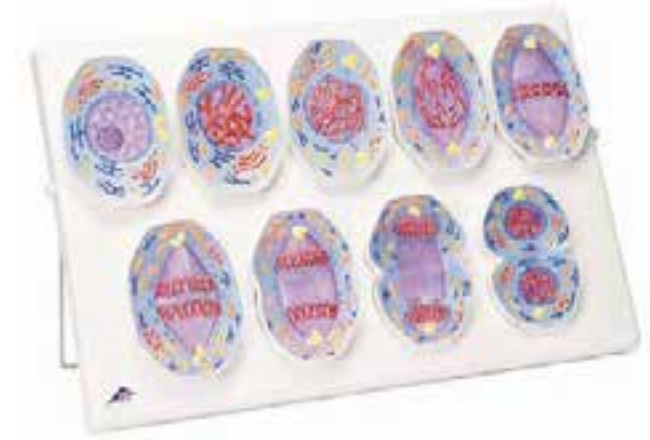


- Set of 12 models attached to labeled base
- Colored to show the different stages as seen under microscope
- Size: approx. 50L × 45W × 4cm (19.6 × 17.7 × 1.5 in.)

Cat. No.	Description	Price
S15642	Animal Cell Division Meiosis Model	138.00/Ea

3B Scientific™ Mitosis Model

Model displays the nine phases of mitosis in a typical mammal cell at an enlargement of approximately 10,000 times.



- The three-dimensional relief models are painted according to the usual coloring methods of microscopy
- Makes the process of cell division easy to understand
- The cell organelles are shown as if opened up in the lower part of the models
- The models are equipped with magnets on the back so that they can be easily arranged on a classroom magnetic board

Stages of Mitosis

- Interphase
- Prophase
- Early prometaphase
- Later prometaphase
- Metaphase
- Early anaphase
- Later anaphase
- Telophase
- Cytokinesis

ORDERING INFORMATION:

The model series is supplied in a storage system, 15.7 × 23.6 in. (40 × 60cm), which can be fastened to the wall.

Dimensions: 23.6 × 15.7 × 2.4 in. (60 × 40 × 6cm).

Weight: 59.9 oz. (1.5kg).

INCLUDES:

Detailed description and handouts for lessons

Cat. No.	Description	Price
S99598	Mitosis Model	541.00/Ea

Mitochondrion Model

Model of the cell's powerhouse organelle.

Examine the structure and function of mitochondrion with this 190,000 times enlargement.



- Dimensions: 8L x 23W x 11 in.H (20.3 x 58.4 x 27.9cm)
- Weight: 7 lb. (3.18kg)

Depicts:

- A 1,000,000X cross section through the membrane and the subunits in molded relief
- A simplified schematic citric acid cycle (Krebs cycle)
- Two-wall cell membranes
- Cristae, subunits (elementary particles), matrix, and granules

Cat. No.	Description	Price
S85372	Mitochondrion Model	385.00/Ea

Motor Neuron Model

Reflecting the latest electron microscopic revelations, this motor neuron diorama is more than just a model.



The membranous envelope has been cut away from the neuron to expose the cytological ultrastructure, organelles, and inclusions within the cell body. Branching dendrites of the neuron extend into the background, where they appear to become part of a neuron network. Synapses and an axon project from the neural surface and continue into the background to converge with other axons and synaptic vesicles. A section of the axon lifts off to expose the tightly wound layers of the myelin sheath, neurolemma, and the Schwann cell. Via cutaway view, you can observe synaptic vesicles carrying neurotransmitters about to stimulate muscle fibers to action.

Magnified more than 2500 times, the Motor Neuron Model is mounted on a hardwood base and measures 17 x 8 x 11 in.. An illustrated key, which identifies a total of 54 features, is included.

INCLUDES:

An illustrated key, which identifies a total of 54 features

Cat. No.	Description	Price
S65085	Motor Neuron Model	1027.00/Ea

Photosynthesis and Respiration Bulletin Board Chart Sets

Perfect for Classroom Reference or Student Activities. NewPath™ Learning Photosynthesis & Respiration Bulletin Board Chart Set of 6 covers key concepts on Photosynthesis and Respiration.



- Double-sided 18 x 12 in. chart is laminated
- One side provides an illustrated overview of the topic, while the reverse features "write-on/wipeoff" graphic organizers, problem-based questions and other review activities

6-Chart Set includes the following charts:

- Overview of Photosynthesis
- Leaf Structure & Photosynthesis
- Process of Photosynthesis
- Effects of Light & CO₂ on Photosynthesis
- Process of Cellular Respiration
- Connection between Photosynthesis & Respiration

8-Chart Set includes the following charts:

- Sexual Reproduction
- Meiosis Overview
- Meiosis I
- Meiosis II
- Crossing-Over
- Comparing Mitosis & Meiosis
- Identifying Stages of Meiosis
- Human Chromosomal Disorders

Cat. No.	Description	Price
S43589	Photosynthesis & Respiration Bulletin Board Chart Set of 6	19.25/Ea
S43588	Meiosis Bulletin Board Chart Set of 8	25.25/Ea

Edvotek™ Eucaryotic Cell Biology Experiment Kit

Familiarizes students with simple, robust cell culture system.

- Used in life science research, biotechnology laboratories
- Provides student with skill set desired in both academic research and industry
- Contains live materials



Time requirements:

- Basic cell culture techniques - 30 minutes
- Examination of Insect Cell Cultures - 30 minutes
- Maintenance of Insect Cell Cultures - 1 hour
- Cell Viability using Trypan Blue - 30 minutes
- Differential staining using Giemsa stain - Overnight

Cat. No.	Description	Price
S42877	Edvotek™ Eucaryotic Cell Biology Experiment Kit	233.00/Ea

LAB-AIDS™ Normal Mitosis Kit

Observe nuclear division while perfecting lab techniques.

Observe nuclear division while making a stained microscope slide of a root tip to show mitotic activity in a single laboratory period.

- Observe chromosomes in cells
- Identify the stages of mitosis
- Gain hands-on experience in microtechnique and staining



ORDERING INFORMATION:

Class size: 30 students.

INCLUDES:

- Root tips
- Plastic tissue-treating dishes
- Microscope slides and cover slips
- Four bottles of solution A (alcohol and hydrochloric acid)

- Four bottles of solution B (acetic acid, chloroform, alcohol)
- Tissue-macerating blades
- Four vials aceto-orcein stain
- Tissue transfer brushes
- Student worksheets and guides

REQUIRES: Microscope

Cat. No.	Description	Price
S19354	Normal Mitosis Kit	185.00/Ea

LAB-AIDS™ Osmosis and Diffusion Kit

Dramatically illustrates semipermeability, osmosis and molecular diffusion.

See firsthand how selective permeability allows some substances to pass through a membrane, while others cannot; observe diffusion through a membrane in two directions at the same time.



- Processes are clearly demonstrated using simple color changes
- Easy-to-follow experiments outlined in detail
- Reagent bottles are unbreakable, spillproof and drop-controlled

ORDERING INFORMATION:

Class size: 30 students.

INCLUDES:

- 30 semi-permeable membranes
- 30 containers
- 60 glucose testing strips
- Two bottles each of glucose solution and liquid starch
- 30 individual worksheets and guides

Cat. No.	Description	Price
S19359	Osmosis & Diffusion	120.00/Ea

Microbiology

Carolina™ 100 × 15mm Prepared Media Plates

An industry standard for nearly a century, this excellent prepared media supports a wide range of microorganisms

Each plate has an imprinted lot number and expiration date to ensure quality and viability for you and your students.

- Supports a broad spectrum of microorganisms
- Comes in a convenient 10-pack of sterile, ready-to-use plates



Note: C of A unavailable for this item

INCLUDES: Carolina™ Prepared Media booklet

Cat. No.	Description	Price
S21800ND	Nutrient Agar	28.00/Pk
S21801ND	Tryptic Soy Agar	23.50/Pk
S21807ND	MacConkey Agar	28.00/Pk
S21802ND	Mannitol Salt Agar	31.25/Pk
S42831	Eosin Methylene Blue Agar	25.75/Ea
S42825	Mueller Hinton	23.75/Ea

Prepared Culture Media in Plates

Labeled with product name, expiration date and lot number.



- Sterile plates are ready for immediate use
- Supplied in disposable plastic Petri dishes, 100mm O.D. × 15mm deep
- Packed in clear, heat-sealed cellophane bags

Cat. No.	Description	Price
S716951A	Plate Count Agar Cell Culture Media	31.75/Pk
S716961A	Potato Dextrose Agar Cell Culture Media	33.00/Pk
S716971A	Sabouraud Dextrose Agar Cell Culture Media	32.50/Pk
S716931A	Nutrient Agar Cell Culture Media	33.00/Pk
S716981A	Tryptic Soy Cell Culture Media	32.50/Pk

Carolina™ Prepared Media Tubes and Bottles

Sterile, ready-to-use media.



S21803ND

- Fresh, sterility tested — in stock and ready to ship
- Free of antibiotics, pesticides, and other chemicals
- No autoclave needed
- Certificate of Analysis available upon request

Bottles

- Glass bottles
- Sealed to prevent contamination and drying
- Free booklet on bottled media included

Tubes

- Each tube of prepared media is carefully tested for sterility and to verify its ability to support the characteristic growth of appropriate organisms
- Refrigerate immediately between 2° and 8°C

Cat. No.	Description	Price
Tubes		
S21803ND	Nutrient Broth	28.50/Pk
S21811ND	Nutrient Agar Slant	24.25/Pk
S21804ND	Phenol Red Broth Base Lactose with Durham Tube	35.75/Pk
S21809ND	Phenol Red Broth Base Dextrose with Durham Tube	29.50/Pk
S21810ND	Phenol Red Broth Base Sucrose with Durham Tube	34.75/Pk
S42826	Simmons Citrate Agar, Prepared Media Tubes	26.00/Ea
S42853	Tryptic Soy Agar Slant, Prepared Media Tubes	25.00/Ea
Bottles		
S21812ND	Mannitol Salt Agar, 125mL	10.75/Ea
S21813ND	MacConkey Agar, 125mL	8.85/Ea
S21805ND	Nutrient Agar, 125mL	8.85/Ea
S21808ND	Nutrient Agar, 500mL	25.75/Ea
S21814ND	Tryptic Soy Agar, 125mL	8.85/Ea

Prepared Media Tubes

High quality microbiological media at an economical price



- Innovating Science™ Sterile Prepared Broth will bring quality back to the lab market, as we are manufacturing our tubes with the classic black rubber lined phenolic caps to ensure a sterile seal
- Case of 100



Cat. No.	Description	Price
S29580	Sabouraud-Dextrose Broth	119.00/Ea
S29574	Nutrient Broth	118.00/Ea
S29576	Tryptic Soy Broth	119.00/Ea
S29579	Sabouraud-Dextrose Agar - Slant	123.00/Ea
S29577	Luria Agar (Miller's) - Slant	128.00/Ea
S29578	Luria Broth (Miller's)	120.00/Ea

Prepared Media

High quality microbiological media at an economical price



- Innovating Science™ Sterile Prepared Agar and Broth will bring quality back to the lab market
- Case of 24



Cat. No.	Description	Quantity	Price
S29564	Tryptic Soy Agar	125mL	103.00/Ea
S29563	Tryptic Soy Agar	200mL	118.00/Ea
S29566	EMB Agar (Levine)	125mL	87.00/Ea
S29565	EMB Agar (Levine)	200mL	103.00/Ea
S29570	Sabouraud Dextrose Agar	125mL	100.00/Ea
S29569	Sabouraud Dextrose Agar	200mL	112.00/Ea
S29568	Luria Agar (Miller's)	125mL	110.00/Ea
S29567	Luria Agar (Miller's)	200mL	120.00/Ea

Dehydrated Culture Media and Ingredients

Essential agents for preparing culture media.

Successful bacteriological work begins with high-quality media. Agar, a solidifying agent, is an essential component of many media. So when you are planning your class projects, be sure to order ample supplies of agar, too.



Cat. No.	Description	Quantity	Price
S70210A	Agar	100g	28.75/Ea
S70213A	Agar	500g	138.00/Ea
S71609A	MacConkey Agar	454g	133.00/Ea
S71613A	Nutrient Agar	113g	58.50/Ea
S71614A	Nutrient Agar	454g	141.00/Ea
S71627A	Tryptic Soy Agar	454g	120.00/Ea
S71646A	Nutrient Agar 1.5%	454g	109.00/Ea
S71648A	Nutrient Broth	454g	153.00/Ea
S71656A	Plate Count Agar	454g	95.00/Ea
S71659A	Potato Dextrose Agar	454g	142.00/Ea
S71666A	Sabouraud Dextrose Agar	454g	63.50/Ea

LyoQuick Freeze Dried Bacteria Cultures

Easy to use lyophilized bacterial cultures for use in classroom for educational purposes. LyoQuick Freeze Dried Bacteria Cultures eliminates several steps required for rehydration of freeze-dried cultures, thus reducing the risk of contamination.



- Each tube contains two ampules, one containing freeze-dried bacteria and one self-contained sterile rehydration broth
- To use, pinch tube to break internal ampules and let freeze dried organisms rehydrate, then dispense rehydrated organisms into broth or onto agar through dropper tip
- Available for eight different types of bacteria

Cat. No.	Description	Price
S37735	E. aerogenes	24.25/Ea
S29043	Bacillus subtilis	24.25/Ea
S29044	E. coli	24.25/Ea
S29045	Micrococcus luteus	24.25/Ea
S29046	Serratia marcescens	24.25/Ea
S29047	Staphylococcus epidermidis	24.25/Ea
S29048	E. coli JM101	24.25/Ea
S29049	Bacillus cereus	24.25/Ea

Antibiotic Sensitivity Discs

Study antibiotic sensitivity and resistance.

- Vials are sealed for storage
- Designed to dispense one disc at a time, without contact or spoilage of remaining discs



ORDERING INFORMATION:

Vials and bottles are supplied in packs of 50.

Cat. No.	Description	Price
S70150A	Blank	17.25/Pk
S70158A	Penicillin G	21.25/Pk
S70160A	Tetracycline	21.25/Pk
S70151A	Ampicillin	21.25/Pk
S70154A	Erythromycin	21.25/Pk
S70159A	Streptomycin	21.25/Pk
S70152A	Chloramphenicol	21.25/Pk

fisherbrand Plastic Petri Dishes

Ideal plastic Petri dishes for lab use.

- Dimensions: 100 × 15mm
- Sterile
- Polystyrene
- Stacked
- 500 per case



Dishes with Clear Lids

- Ventilation ribs on the lid allow for air circulation
- Dishes packed in easy-open product sleeve with tear notch
- Product sleeves are vacuum sealed to prevent scuffing and other damage to dishes
- Complete manufacturing traceability with use of both the lot number on the case label and the lot ID number on the product sleeve

Cat. No.	Description	Price
S33580A	Petri Dishes	138.00/Cs
S35839	Petri Dishes with Clear Lids	243.00/Cs

Inoculating Needles with Nichrome Wire

For dissection experiments.



- Nichrome Wire 24 gauge × 5cm
- Looped end in a 15cm glass handle

Cat. No.	Description	Price
S24571	Inoculating Needles with Nichrome Wire	2.75/Ea

Sterile Disposable Inoculating Loops

No more twisted wires.

These sterile, plastic and affordable inoculating loops eliminate the problem of twisted, tangled loops and wires.



- 0.5mm
- Blue loops are 10 in. long and have a plastic needle on one end
- For single use only

ORDERING INFORMATION:

Sold in packs of 20.

Cat. No.	Description	Price
S17356A	Sterile Disposable Inoculating Loops	6.30/Pk

Automatic Colony Counter 150

Counts colonies/antibiotic reactions in a matter of seconds.



- Easy to use 25.4cm (10 in.) android tablet
- Intuitive software
- Auto focus with override capabilities

Specifications:

- CPU: Android based operating system
- Lights: High intensity LED (top and bottom)
- Petri dish capacity: Up to 100mm, including 3M Petri Film
- Camera: High quality HD digital camera, Carl Zeiss Optics
- Power requirements: 100-240 VAC 50/60Hz, 1.5Amp
- Compatible with FDA 21 CFR part 11, export as PDF
- Auto focus with override capabilities

Note: For Research use only. Not for any human therapeutic or diagnostic use.

CERTIFICATIONS:

UL approved LED lights, power supply, and camera

Cat. No.	Description	Price
S20821	IncuCount Automatic Colony Counter	4306.00/Ea

Edvotek™ Exploring the Infectious Nature of Viruses Experiment Kit

For learning about the different life cycles of bacterial viruses.

Although bacterial viruses, or bacteriophages, are present in many natural environments, they cannot survive autonomously. They require a host cell to reproduce and survive. In this experiment, students will learn about the different life cycles of bacterial viruses. They will then perform a viral plaque assay to indirectly visualize the viruses and to determine viral titer and multiplicity of infection (MOI).



INCLUDES:

Instructions, cells, phage beads, Ready-Pour Agar, COLORTOP™ Agar, microtest tubes, sterile loops, petri plates, luria broth, PBS

REQUIRES:

37°C incubation oven, waterbath, automatic micropipets with tips

Cat. No.	Description	Price
S21209	Exploring the Infectious Nature of Viruses Experiment Kit	157.00/Ea

Student Bacteria Experiment Kit

Allows groups of students to culture their own bacteria without an incubator.

Melt the media in a microwave, pour it into media plates and test for growth in four popular experiments.



Experiments:

- Test-common use items such as bathroom handles, doorknobs and water fountains
- Clean hand/dirty hand test: How many bacteria does soap eliminate?
- Clean mouth/dirty mouth test: How many bacteria does mouthwash eliminate?
- Which mouth contains more bacteria: a human's or a dog's?

ORDERING INFORMATION:

Class size: Four groups of five to six students.

INCLUDES:

- Two 200mL bottles of prepared nutrient agar
- 20 radiation-sterilized Petri dishes
- 10 sterile swabs
- Four lab instruction sheets

Cat. No.	Description	Price
S68775	Bacteria Experiment Kit	51.00/Ea

Student Bacteria Science Kit

This kit contains materials for students to use in investigating bacteria in their environment. Student Bacteria Science Kit teaches students proper microbiological techniques.

This Student Bacteria Science kit contains materials for students to use in investigating bacteria in their environment while learning proper microbiological techniques.



Students will test hands, mouth and classroom for bacteria, before and after cleaning.

Kit Includes:

- 2 × 200mL Nutrient Agar
- 20 Sterile Petri Dishes
- 20 Sterile Cotton Swabs

Cat. No.	Description	Price
S42864	Student Bacteria Science Kit	39.25/Ea

Antibiotic Effects Kit

Show the antibiotic inhibition of microorganisms with this kit.

Use this kit to present an effective teaching unit on the effects of antibiotics on microorganisms. The kit utilizes antibiotic discs to produce zones of inhibition (clear areas of no growth), which are measured to determine the susceptibility of the microorganisms to the different antibiotics.



INCLUDES:

- Cultures of *Enterobacter aerogenes*, *Bacillus cereus* and *Sarcina lutea*
- 24 Petri dishes and Redigel™ to prepare culture dishes
- Six sterile swabs to facilitate the sterile transfer of the bacteria to dishes
- 24 discs of each of the following antibiotics: tetracycline, chloramphenicol and penicillin
- Teacher's guide
- Student worksheet, which may be reproduced for classroom use

Cat. No.	Description	Price
S70120	Antibiotic Effects Kit	77.25/Ea

Large Gram Stain Kit

To determine if bacteria are Gram-positive or Gram-negative.

This kit is used to determine if bacteria are Gram-positive or Gram-negative.



INCLUDES:

- 1 × 500mL Dilute Lugols,
- 1 × 500mL Crystal Violet,
- 1 × 500mL Safranin O
- 1% Aqueous, 2L Ethanol 95%

Cat. No.	Description	Price
S37740*	Gram Stain Kit; Large	55.50/Ea

HEADLINE DISCOVERIES: SCIENCE HAPPENS

Keep informed and check out the latest edition at fisheredu.com/headlinediscoveries.



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Edvotek™ Transformation of *E. coli* with pGAL™ (Blue Colony)

Presence of IPTG is not required.

In this experiment, your students will develop an understanding of bacterial transformation by plasmid DNA by introducing an opportunity to observe an acquired phenotypic trait of the transformed bacterial cells. The presence of blue bacterial colonies visually demonstrates the expression of a specific gene for the Lac+ phenotype.



ORDERING INFORMATION:

Contains materials for 10 transformations.

INCLUDES:

BactoBeads, plasmid DNA, buffers, reagents and antibiotic; ReadyPour™ Luria Broth agar; Luria Broth media for recovery; 40 Petri plates; 20 plastic microtipped transfer pipets; Three wrapped 10mL pipets and 25 wrapped 1mL pipets; 20 inoculating loops; 40 microtest tubes with attached lids; Complete instructions, background information and study questions

REQUIRES:

Automatic micropipet (5 to 50µL) or 25µL fixed-volume micropipet and tips; Two water baths; Incubation oven; Pipet pumps or bulbs; Ice; Bunsen burner, hotplate or microwave oven; Hot gloves

Cat. No.	Description	Price
S11293	<i>E. coli</i> Transformation Kit; Plasmid: pGAL (Blue Colony)	157.00/Ea

Edvotek™ Transformation of *E. coli* with Green Fluorescent Protein (GFP)

GFP gene was isolated and cloned from the jellyfish *Aequorea victoria*.

In this experiment, students will explore the biological process of bacterial transformation using *E. coli* and plasmid DNA. At the end of the activity, students will have experience observing and analyzing acquired traits (ampicillin resistance and fluorescence) as exhibited by transformed bacterial cells.



ORDERING INFORMATION:

Contains materials for 10 transformations and controls.

INCLUDES:

instructions, BactoBeads™ *E. coli* GFP Host, supercoiled pFluoroGreen™ plasmid DNA, ampicillin, IPTG, CaCl₂, Growth Additive, ReadyPour™ Luria Broth Agar (sterile), Luria Broth Medium for Recovery (sterile), petri plates (small), petri plates (large), plastic microtipped transfer pipets, wrapped 10mL pipet (sterile), toothpicks (sterile), inoculating loops (sterile), microcentrifuge tubes

Cat. No.	Description	Price
S68654	Transformation of <i>E. coli</i> with GFP	130.00/Ea

Optimized Fermentation of Yeast Kit

Students study effectiveness of fermentation process on different types of sugars by monitoring growth rate and respiration to determine the optimum food source for yeast.

Yeast will be exposed to four different sugar solutions and the overall pressure changes for fermentation in each sugar solution will be compared.

- Contains enough materials for 15 groups of students

INCLUDES:

50g Glucose, 50g Sucrose, 50g Lactose, 50g Fructose, 10g Yeast, Teacher's Guide and Student copymasters

Cat. No.	Description	Price
S37747	Optimized Fermentation of Yeast Kit	31.75/Ea



Biochemistry

3B Scientific™ Biochemistry Molecular Model Kit

Compact/semi-space-filling models feature the "mushroom style" hydrogen atom-link part.



257 atom parts cover a wide range of biochemical structures including amino acids, monosaccharides, fatty acids, glycerol, steroids, purines, pyrimidines, peptides, disaccharides, nucleosides, nucleotides, coenzymes, proteins, polysaccharides and nucleic acids.

INCLUDES:

- 68 carbon, black (42 tetrahedral, 24 trigonal, two linear)
- 34 nitrogen, blue (12 tetrahedral, 12 trigonal, 10 angular)
- 40 oxygen, red (20 angular, 10 linear, 10 one-hole)
- 10 hydrogen, white (linear)
- Two sulfur, yellow (angular)
- Six phosphorus, purple (tetrahedral)
- Two metal connectors, gray (one tetrahedral, one octahedral)
- 100 hydrogen links, white
- 150 NV-links, clear
- 10 V-links, gray
- Two link remover tools, cream

Cat. No.	Description	Price
S68292	Molecular Model Kit	118.00/Ea

LAB-AIDS™ Cheese-Making Kit

Make cheese using enzymatic process.



Make cheese using basic modern science concepts and one of the oldest scientific principles: enzymatic processes produce cheese.

- Prepare milk for the curdling process by adding a viable, non-toxic bacteria
- Study harmless bacteria in an important food process
- Class size: 30 students
- Process must be done over a two-day period

ORDERING INFORMATION:

- Class size: 30 students
- Process must be done over a two-day period

INCLUDES:

- Four packages dry powdered milk (quart size)
- 15 Insulated plastic containers
- Bottle of lactobacillus capsules
- Drop-controlled bottle of milk clotting enzyme
- Bottle of Chloride
- Package of stirrers
- Packaged cheesecloth
- 30 Student worksheets and guides Instruction Manual with SDS

Cat. No.	Description	Price
S94504	Cheese Making Kit	73.75/Ea

Enzymes and the Process of Digestion

Learn about the vital role that enzymes play in the human digestive process.

All the food in the world is of no use if the human body does not have the ability to extract necessary nutrients from it. With this activity, students expose three nutrients (carbohydrates, proteins and lipids) to different digestive enzymes. They compare these samples to nutrients to which no enzymes are added and use chemical tests to determine if the enzymes were effective in digesting the compounds. Upon completion, students understand the importance of the digestive system and the vital role enzymes play in releasing nutrients from food and converting them to a form usable by the body. Contains enough materials for 15 groups.

COMPLIANCE:

DOT: Small quantity exemption 173.3.

Package conforms to 49CFR 173.4.

Cat. No.	Description	Price
S05800*	Enzymes and the Process of Digestion	68.25/Ea



Kit Includes:

- Pancreatin, powder, 5g
- Bile Salts, powder, 0.25g
- Albumin egg powder, 2.5g
- Starch, soluble, 2.5g
- Pepsin 1:10,000, 1g
- Amylase bacteriological powder, 25g
- Sodium hydroxide 0.1N, 25mL
- Hydrochloric acid 0.1N, 25mL
- Biuret for protein test, 25mL
- Phenolphthalein 1%, 25mL
- Dilute lugols solution, 25mL
- Olive oil, pure, 25mL
- 10 pipets (plastic, graduated)



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

LAB-AIDS™ Food Nutrient Analysis Kit

Test and identify food nutrients.

Learn techniques for easily testing and identifying nutrients.

- Use standard analytical methods to identify sugar, starch, lipid, protein and vitamin C
- Allows students to work in teams
- Indefinite shelf life
- Class size: 30 students

INCLUDES:

- 30 test tubes
- Dropper-controlled bottles of sugar, starch, lipid, protein and vitamin C solutions
- All necessary reagents
- Wax pencil
- 30 student worksheets
- Instruction manual with Material Safety Data Sheets



REQUIRES:

Hot water bath (for test of simple sugars)

Cat. No.	Description	Price
S19340	Food Nutrient Analysis	121.00/Ea

Small Group Learning: Science In The Kitchen

This comprehensive kit incorporates a variety of scientific techniques all themed around common kitchen materials.

Students will:

- Perform chromatography on commercial food colors
- Perform chemical tests to identify an unknown cooking ingredient
- Examine the protein digesting ability of a common meat tenderizing enzyme
- Use titration to quantify vitamin C levels
- Test an unknown juice or soda (not provided)
- Examine some of the differences and similarities in the materials used to clean (soap, hand dishwashing detergent, and machine dishwashing detergent)
- Kit contains enough materials for 5 groups
- Teacher's Manual and Student Study Guide copymasters are included
- Aligned to the Next Generation Science Standards (NGSS)
- Disciplinary Core Ideas: PS1.A; PS1.B
- Performance Expectations: MS-PS1-2; MS-PS1-3; HS-PS1-3
- Cross Cutting Concepts: Patterns; Structure and Function
- Engineering Practices: Analyzing and Interpreting Data; Obtaining, Evaluating and Communicating Information; Planning and Carrying Out Investigations
- Size: 11.75 x 9 x 4 in. (L x W x H)



NEW

DISCLAIMERS:

Next Generation Science Standards is a registered trademark of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards was involved in the production of, and does not endorse, this product.

Cat. No.	Description	Price
S40755	Science In The Kitchen	72.75/Ea

Advanced Placement

Edvotek™ AP™ Labs Special Package: 13 AP Labs

Contains:

- Lab 1: Artificial Selection
- Lab 2: Mathematical Modeling: Hardy-Weinberg
- Lab 3: Comparing DNA Sequences to Understand Evolutionary Relationships with BLAST
- Lab 4: Diffusion and Osmosis
- Lab 5: Photosynthesis
- Lab 6: Cellular Respiration
- Lab 7: Cell Division: Mitosis and Meiosis
- Lab 8: Biotechnology: Bacterial Transformation
- Lab 9: Biotechnology: Restriction Enzyme Analysis of DNA
- Lab 10: Energy Dynamics
- Lab 11: Transpiration
- Lab 12: Fruit Fly Behavior
- Lab 13: Enzyme Activity



AP Biology Investigation Kit No. 1: Artificial Selection

To study the process of artificial selection by using fast growing plants.

- Students will identify phenotypic differences to observe
- Selective cross pollination is used to examine prevalence of particular phenotype in successive generations
- Meets AP Science Practices 2, 5, 7 and Big Idea 1
- Materials provided for 32 students in eight lab groups



INCLUDES:

- One bag potting soil
- One bag vermiculite
- One package 7 oz. cups
- One package 5 oz. cups
- Eight magnifiers
- One nutrient quick solution to make 1L
- One package Innovating Science Fast Growing Plant Seeds
- One package cotton swabs
- One package hydroponic wicks

Cat. No.	Description	Price
S07063	Artificial Selection	74.25/Ea

Edvotek™ AP™ LAB 1: Artificial Selection

Students learn how artificial selection works.

Students will perform artificial selection on a population of Quick Plant™ and identify traits that vary in the population. Then they will perform artificial selection by cross-pollinating only selected plants and observe the trait differences between the two populations to learn how selection works.



ORDERING INFORMATION:

- Class size: 10 laboratory groups
- Takes 30-minute lab periods over course of 5 to 7 weeks to complete the process

INCLUDES:

Quick Plant seeds, nylon mason twine, potting mix, Miracle-Gro™ fertilizer, vermiculite, bees, plastic magnifier, wooden toothpicks and instructions

REQUIRES:

Growing System: reused plastic soda or water bottles (500mL), lighting, light box system, digital cameras, lab notebook, water, tape and razor

Cat. No.	Description	Price
S06879	Artificial Selection	102.00/Ea

Edvotek™ AP LAB 5: Photosynthesis

Key reagents are included to demonstrate photosynthesis.

In this experiment, students will learn how to measure the rate of photosynthesis indirectly by studying the floating leaf disk assay, and test different variables that might affect the photosynthesis process.

ORDERING INFORMATION:

- Class size: 10 lab groups
- Takes one hour, 45 minutes over two lab periods to complete

INCLUDES:

instructions, Sodium Bicarbonate (baking soda), liquid soap, plastic syringe (20 cc), transfer pipets, plastic cups

REQUIRES:

Leaves, timer, light source, hand-held hole punch, beakers



Cat. No.	Description	Price
S06883	Photosynthesis	87.00/Ea

AP Biology Investigation Kit No. 5: Photosynthesis

Students learn necessary components and conditions for photosynthesis using leaf disks to measure oxygen accumulation and its affect on the process.

Students will design and conduct an experiment using a selected variable to examine the rate of photosynthesis.

- Meets AP Science Practices 1, 2, 3, 6 and 7, and Big Idea 2
- Includes enough materials for eight lab groups
- For grades 10-12



INCLUDES:

- Dilute soap solution - 30mL
- Hole punch
- Plastic cups -16 count
- Sodium bicarbonate - 50g
- Syringes, 10mL - 16 count
- Teacher's manual and student study guide

REQUIRES:

- Living plant leaves
- Light source
- Timers or stop watches
- Distille or deionized water

Cat. No.	Description	Price
S07045	Photosynthesis Study Kit	54.75/Ea

Edvotek™ AP LAB 6: Cellular Respiration

Students use small respirometers to determine O₂ consumption.

In this experiment, students learn how to apply the gas laws to the function of the microrespirometer. Students will observe cell respiration of germinating seeds and describe the effects of temperature on the rate of cell respiration.



ORDERING INFORMATION:

- Class size: 10 lab groups
- Requires two hours over two lab periods

INCLUDES:

instructions, 1mL pipet, glass beads, peas, potassium hydroxide solution, cork stoppers, absorbent cotton, nonabsorbent cotton, plastic vials, parafilm

REQUIRES:

10 thermometers, 10 trays (at least 14 in. [35.6cm] long), silicon glue, ice, cork borer, tape and timers

Cat. No.	Description	Price
S06884	Cellular Respiration	72.00/Ea

AP Biology Investigation Kit No. 6: Cellular Respiration

Students measure and record the rate of oxygen consumption (cellular respiration).



- Activity involves use of a respiration chamber
- Germinating seeds and non-germinating material are used as control samples
- Include teachers manual and student study guide copymasters
- Meets AP Science Practices 1, 2, 3, 6 and 7 and Big Idea 2
- For eight lab groups

This package conforms to 49 CFR 173.4 for domestic highway or rail transport only.

INCLUDES:

- One pack pea seeds
- One pack plastic beads
- 24 Respiration chambers
- 24 Graduated pipets (1mL)
- One bottle 15% KOH (30mL)
- 48 Washers
- 24 Rubber stoppers
- One pack non-absorbent cotton
- One pack absorbent cotton
- Eight trays
- One tube petroleum jelly sealant

REQUIRES:

- Eight graduated cylinders (100mL)
- Eight thermometers
- Eight stopwatches or digital timers
- Ice
- Wax marking pencils or markers
- Paper towels
- Masking tape

Cat. No.	Description	Price
S07057**	Cellular Respiration	257.00/Ea



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Edvotek™ AP LAB 7: Cell Division – Mitosis and Meiosis

Students identify and differentiate the various stages in mitosis and meiosis.

- Onion root tips are stained to identify the various stages and duration of mitosis
- Meiosis and Crossing Over in *Sordaria* is also demonstrated in this experiment
- Students will also have an opportunity to analyze mechanisms involved with the loss of cell cycle control in cancer

ORDERING INFORMATION:

- Class size: 10 lab groups
- Requires 60 minutes

INCLUDES:

Pipe cleaners (1.2 in. [3cm] long, in two colors), carbol-fuchsin (Ziehl-Neelson) stain, lectin (phytohemagglutinin PHA-M from *Phaseolus vulgaris*), plastic bags, slides and cover slips

Cat. No.	Description	Price
S06885	Cell Division — Mitosis and Meiosis	117.00/Ea



REQUIRES:

Colored pencils (two colors), microscope, 10 onion bulbs, jars with lids, two jars (one per treatment) for six students, sand, ethanol, glacial acetic acid (17.4M), hydrochloric acid, razor blades, forceps, scissors, scientific cleaning (Kimwipes™) wipes, coplin jars and disposable gloves

Edvotek™ AP LAB 13: Enzyme Activity

Learn about enzyme catalysis and the nature of enzyme action.

This safe, easy experiment allows your students to learn about enzyme catalysis, the nature of enzyme action and protein structure-function relationships.

- Students perform an enzyme assay and determine the rate of the enzymatic reaction. Experiment uses a safer system that eliminates the need for sulfuric acid and potassium permanganate

REQUIRES:

Turnip root, distilled or deionized water, pipet pumps or bulbs, Erlenmeyer flask (500mL), spectrophotometer, water baths, filter paper and funnel, test tube racks, test tubes (13 × 150mm), thermometer, cheesecloth, Parafilm™ film, hot plate, timer or clock with second hand, lab permanent markers, ice, razor, goggles and blender

ORDERING INFORMATION:

- Class size: 10 lab groups
- Requires 30 to 45 minutes



INCLUDES:

Hydrogen peroxide solution, guaiacol solution, phosphate buffer pH 3, phosphate buffer pH 7, phosphate buffer pH 10 and phosphate buffer pH 14

Cat. No.	Description	Price
S06891	Enzyme Activity	122.00/Ea

AP Biology Investigation Kit No. 13: Enzyme Activity

Students will use turnip extracts to learn the nature and specificity of enzyme-catalyzed reactions.

The reaction between hydrogen peroxide and peroxidase enzyme will be examined after testing with one or more influential factors.

- Kits contains materials for eight groups
- Meets AP Science Practices 4, 5, 6 and 7, and Big Idea 4
- For Grades 10-12

INCLUDES:

- Guaiacol concentrate - 1.5mL
- pH 3 Buffer - 100mL
- pH 5 Buffer - 100mL
- pH 6 Buffer - 100mL
- pH 7 Buffer - 100mL
- pH 8 Buffer - 100mL
- pH 10 Buffer - 100mL
- Hydrogen peroxide - 1.0%
- Teacher's manual and student study guide

Cat. No.	Description	Price
S07044	Enzyme Activity Kit	42.00/Ea

Recommended:

Spectrophotometer



REQUIRES:

- Distilled or deionized water
- Parafilm or similar
- Test tube - 16 × 150mm
- 16 graduated pipettes - 1mL
- 16 graduated pipettes - 10mL
- Eight graduated pipettes - 5mL
- Eight pipettes or pipette bulbs
- Eight test tube racks
- Eight timers or stopwatches

Edvotek™ Advanced Placement Laboratory Kit 2: Principles of Enzyme Catalysis

Understand enzyme catalysis and protein structure-function relationships.

Methodology uses a colorimetric assay to measure the concentration of hydrogen peroxide (and therefore catalase activity) based on the oxidation of iodide by peroxide. This method differs from the AP Biology lab manual; it uses a safer system that eliminates the need for sulfuric acid.



- Perform an enzyme assay
- Determine the rate of a biochemical reaction

INCLUDES:

- Catalase solution
- 1.2% Hydrogen peroxide (stabilized)
- Phosphate buffer, pH 7.2 (20x concentrate)
- Assay reagent (potassium iodide concentrate)
- Acidification solution, 0.1M HCl
- Color enhancer (concentrate)
- Color developer (concentrate)
- Plastic tube, 15mL
- Comprehensive instructions, background material, and study questions

Cat. No.	Description	Price
S11282	AP Lab Kit 2: Principles of Enzyme Catalysis	140.00/Ea

AP Biology Investigation Kit No. 9: Restriction Enzyme Analysis

In this lab students will understand the action and specificity of restriction enzymes, while learning the components involved in the process of DNA electrophoresis and the role of each component as it applies to the entire process of electrophoresis.

Students will perform the electrophoresis process on DNA samples treated with different restriction enzymes and construct a standard curve using a known DNA sample while determining the approximate size of the DNA fragments in unknown samples. Meets AP Science Practices 3 and 6, and Big Idea 3. Materials provided for eight lab groups.



INCLUDES:

- Prepared agarose, 0.8%, 200mL TBE buffer, 5X, 500mL
- DNA Stain, 20X, 60mL DNA Samples, 100µL each:
- DNA Marker (Lambda DNA HindIII digest)
- Sample #1 (Lambda DNA)
- Sample #2 (Lambda DNA BstEII digest)
- Sample #3 (Lambda DNA EcoRI digest)
- Sample #4 (Lambda DNA BstEII digest)

REQUIRES:

- Agarose electrophoresis chamber
- Microwave or hot water bath
- Electrophoresis power supply
- Distilled or deionized water
- Micropipettes with micropipette tips, 10µL
- Gel staining trays or similar (large enough container to accommodate flat agarose gels)

Cat. No.	Description	Price
S07059	AP Lab 9: Restriction Enzyme Analysis	119.00/Ea

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AP Biology Investigation Kit No. 4: Diffusion and Osmosis

To observe osmosis and diffusion in living tissue.



Students study the following concepts in osmosis and diffusion process:

- Movement of water and nutrients across cell membrane
- Investigate relationship between surface area and volume as it relates to cells and diffusion
- Examine concept of molarity and its relation to osmotic potential and movement of water
- Cell size, shape and water elimination affect the overall rate of nutrient intake
- Students will use plant tissue to determine molarities of unknown solutions based on direction and degree of water movement
- For eight groups
- Meets AP Science Practices 2, 4, and 5, and Big Idea 2

INCLUDES:

- 45g Agar
- 15mL Bromothymol blue concentrate
- 2 × 25mL 2.0M Hydrochloric acid
- 8 Agar block casting trays
- 40 Plastic cups, 7 oz.
- 40 pc. Dialysis tubing
- Microscope slides, pkg/72
- 8 Plastic cups
- 5 oz. Coverslips
- 8 Plastic knives Cork borer
- 8 Plastic stirrers
- 8 Metric rulers
- Sucrose QuickSolution (to make 1L of 1.0M solution)
- Sodium chloride QuickSolution (to make 1L of 1.0M solution)
- Glucose QuickSolution (to make 1L of 1.0M solution)
- Ovalbumin QuickSolution (to make 1L of 5.0% solution)
- Food coloring set (red, blue, yellow, green)
- Sucrose QuickSolution set to make:
 - 1L of 0.2M solution (Solution No. 3)
 - 1L of 0.4M solution (Solution No. 2)
 - 1L of 0.6M solution (Solution No. 5)

REQUIRES:

- Paper towels
- Distilled or deionized water
- Electronic balance
- Large onion
- Fine-point forceps/tweezers
- Microscopes
- Potatoes, sweet potatoes, or yams

Edvotek™ Advanced Placement Laboratory Kit 1: Principles and Practice of Diffusion and Osmosis

Experiments help students develop an understanding of the molecular basis of diffusion and osmosis and its physiological importance.



- Analyze how solute size and concentration affect diffusion across semi-permeable membranes and how these processes affect water potential
- Calculate water potential of plant cells
- Class size: 40 students working in groups of 4

Part A: Dialysis experiments utilizing two dyes of different molecular weights visually demonstrate the size selectivity of membranes. Experiments also demonstrate changes in the equilibrium of the diffusible dye as it is removed from system.

Part B: Experiment approximates an osmotic system by demonstrating net flow of water through a dialysis membrane.

Part C: Involves the calculation of potato cell water potential from experimental data.

ORDERING INFORMATION:

Class size: 40 students working in groups of 4.

INCLUDES:


instructions, orange indicator dye, violet dye, sucrose, NaCl solution, powdered sucrose, dialysis tubing

REQUIRES:

- 300 to 400mL Beakers† (20 for Part A, 50 for Part B, and 16 for Part C)
- 1, 5, and 10mL Pipets
- Graph paper
- Scales
- Distilled or deionized water
- 10 Thermometers
- Four potatoes
- Cork borers or small kitchen knives

Cat. No.	Description	Price
S11281	AP Lab Kit 1: Principles and Practice of Diffusion and Osmosis	140.00/Ea

†Beakers can be substituted with clear, disposable plastic cups.



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Cat. No.	Description	Price
S07056*	AP Biology Investigation Kit No. 4: Diffusion and Osmosis	156.00/Ea

Edvotek™ Advanced Placement Laboratory Kit 12: Dissolved Oxygen and Aquatic Primary Productivity

Experiment demonstrates the methodology used for measuring dissolved oxygen and determining the primary productivity of a natural body of water.

Dissolved oxygen levels are used to monitor the health and productivity of aquatic ecosystems. In this kit, students familiarize themselves with the Winkler method by examining the relationship between temperature and dissolved oxygen concentrations. Using local water samples to examine primary productivity at different water depths, students can then observe the beginning stages of eutrophication.



ORDERING INFORMATION:

Class size: 10 laboratory groups (40 students).

INCLUDES:

instructions, sodium iodide, sodium hydroxide, manganese sulfate, starch solution, sodium thiosulfate, nitrogen enrichment solution, phosphorous enrichment reagents, transfer pipets, microcentrifuge tubes, and 15mL conical tubes

REQUIRES:

- Pond/lake water
- Goggles
- Grow lights
- Pipets
- Burets
- Flasks
- Beakers
- Gloves
- Filter paper
- Linear graph paper
- Aluminum foil
- Sulfuric acid (concentrated)
- Plastic window screens
- 50 Sealable containers or BOD bottles

Cat. No.	Description	Price
S11292	AP Lab Kit 12: Dissolved Oxygen and Aquatic Primary Productivity	140.00/Ea

Edvotek™ AP LAB 9: Biotechnology – Restriction Enzyme Analysis of DNA

For analysis of Eco RI cleavage patterns of lambda DNA

- This experiment introduces the use of restriction enzymes as a tool to digest DNA at specific nucleotide sequences
- Bacteriophage lambda DNA has a linear structure and six Eco RI recognition sites
- Separation by agarose gel electrophoresis of an Eco RI digest of lambda DNA will yield six bands (five distinct bands, two are very close in size) corresponding to the DNA fragments



ORDERING INFORMATION:

- For six gels
- Takes one hour to complete

INCLUDES:

Instructions, DNA samples (packaged as either Pre-aliquoted QuickStrip™ connected tubes or as individual 1.5mL (or 0.5mL) microcentrifuge tubes), UltraSpec-Agarose™, Electrophoresis Buffer (50X), Practice Gel Loading Solution, FlashBlue™ DNA Stain, InstaStain™ Blue Cards, & Disposable Pipets.

REQUIRES:

Horizontal gel electrophoresis apparatus; DC power supply; automatic micropipets with tips; balance; microwave; hotplate or burner; pipet pump; 250mL flasks or beakers; hot gloves; safety goggles; disposable laboratory gloves; small plastic trays or large weigh boats (for gel destaining); DNA visualization system (white light) and distilled or deionized water

Cat. No.	Description	Price
S06887	For 8 Gels	117.00/Ea

AP Biology Investigation Kit No. 8: Bacterial Transformation

Students genetically engineer bacteria through transformation with a plasmid that confers antibiotic resistance.

- Efficiency of the procedure is determined by examining the number of resistant bacteria
- Includes teachers manual and student study guide copymasters
- Meets AP Science Practices 1, 3, 5, 6, and 7, and Big Idea 3
- For eight lab groups

Recommended: Incubator (37°C). Requires: Large beaker, microwave (not necessary if melting agar in a waterbath), microfuge tube racks, hot plate or waterbath, markers, and container of ice.

INCLUDES:

- Sterile Calcium Chloride 0.05M (30mL)
- 16 Sterile volumetric pipets
- Eight Pipet bulbs
- Eight micropipets with plunger (10µL)
- 16 Microcentrifuge Tubes (1.5mL)
- Eight sterile inoculating loops
- 40 Petri dishes
- Four Luria agar (200mL)
- One Luria broth tube (9mL)

Perishable materials are supplied via coupon redeemable by fax, phone or e-mail, and include:

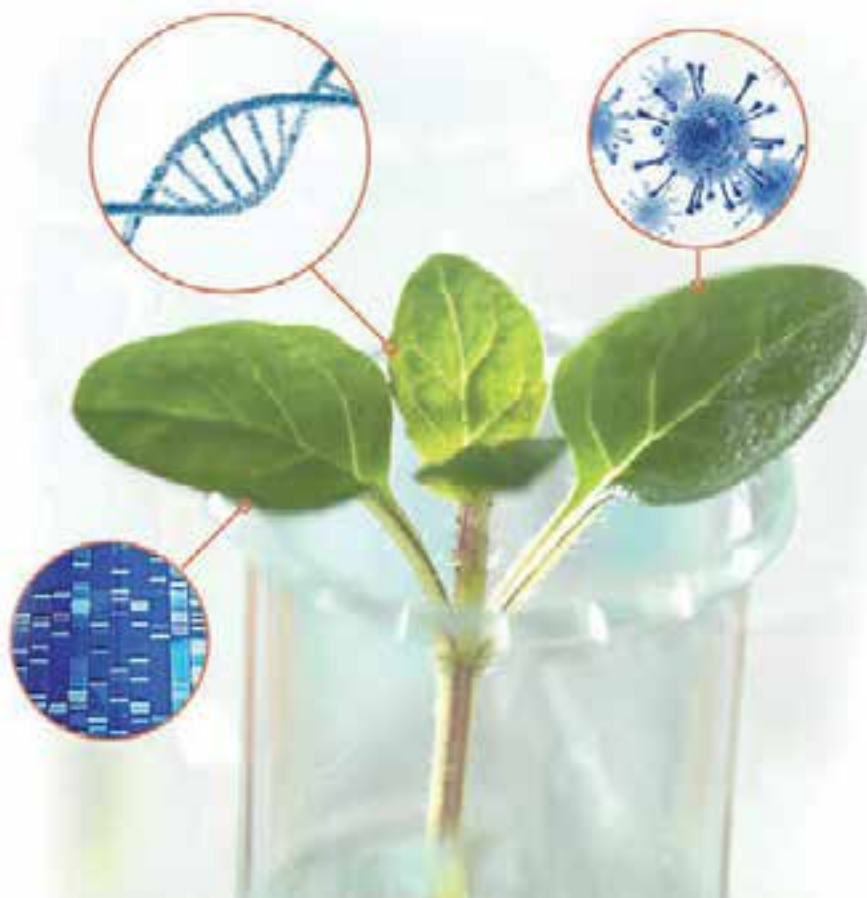
- One E. Coli culture (freeze dried)
- Two bottles 0.02g Ampicillin
- 1000ng pUC 19 Plasmid
- One Tryptic Soy Broth tube (9mL)
- One Tryptic Soy Agar slant (6mL)
- One sterile, disposable pipet

Cat. No.	Description	Price
S07058	AP Biology Investigation Kit No. 8: Bacterial Transformation	206.00/Ea

Ellyn Daugherty and the Fisher Science Education Team: Teaching Biotechnology Together

We are proud to present Ellyn Daugherty, educator and author of *Biotechnology: Science for the New Millennium, 2E* (BS4NM) and creator of *Biotechnology Basics™* by Ellyn Daugherty (BBED).

Whether you're introducing students to biotechnology for the first time, launching a new program, or expanding a well-established initiative at your school, the Fisher Science Education team can provide the products and resources you need for middle school through college classrooms.



Visit fisheredu.com/BS4NM, call customer service, or contact your Fisher Science Education sales representative to learn more about our involvement with BS4NM.

Biotechnology

Genetics

LAB-AIDS™ DNA-, RNA-Protein Synthesis Modeling Kit

Build a DNA molecule, replicate it and use half of the “ladder” to construct messenger RNA (mRNA).

- Nucleotides of RNA are first produced following step-by-step directions. Transcription in the nucleus and the movement of the mRNA molecule are simulated by matching mRNA codons to the transfer RNA (tRNA) and its anticodons. The amino acids then bond to form a protein molecule.
- Discover how the information stored in the DNA is expressed as a finished protein by disconnecting the protein chain from the tRNA.
- The tRNAs from the mRNA show their availability to continue.

Depicts:

- Deoxyribose Ribose Phosphate
- Hydrogen bonds Adenine Thymine
- Uracil Cytosine Guanine tRNA R groups
- Covalent bonds Ribosome

INCLUDES:

12 sets of color-coded parts, teacher manual, background information and 24 student worksheets



Cat. No.	Description	Price
S19376	DNA/RNA-Protein Synthesis Model Kit	231.00/Ea

K'NEX Education™ DNA Replication and Transcription Set

This wonderfully flexible set demonstrates DNA and mRNA molecules and processes.

Builds 19 models, two at a time.

- Students build and learn about phosphate groups, deoxyribose and ribose sugars, hydrogen bonds, codons, nucleotides, DNA structure, transcription and mRNA production, molecular basis of heredity and much more.
- Pieces easily unsnap for replication and transcription activities.
- Durable, stackable storage case has movable dividers and transparent lockable lid.

INCLUDES:

521 pieces; comprehensive teacher guide

Cat. No.	Description	Price
S68801	DNA, Replication and Transcription Kit; single	66.25/Ea

Build models:

- Parent DNA molecule, unwound
- Parent DNA model as a flexible double helix
- Parent DNA molecule, stand-mounted
- Two parent/daughter DNA molecules, unwound
- Two parent/daughter DNA molecules, stand-mounted
- Large parent/daughter DNA molecule, flexible
- Two mRNA molecules transcribed from DNA molecule

**ORDERING INFORMATION:**

Supports two to three students working as a team. Grades 5 to 12. Aligned to national and state standards.

LAB-AIDS™ Molecular Model of DNA and its Replication

Construct a double helix of the DNA molecule. LAB-AIDS Molecular Model of DNA and its Replication is a basic introduction to the double helix model of DNA using simple components developed exclusively by Lab-Aids™.

Double nitrogen pyrimidine bases are constructed proportionately larger in diameter than the single nitrogen purine bases. Bases are linked by a unique hydrogen bond. The deoxyribose sugar is pentagon-shaped representing its actual molecular structure. Twelve eight-rung models can be constructed with each kit or attach individual models together to form a giant double helix model that will be more than nine feet long.

- Materials to construct 12 models
- Up to 36 students/12 groups
- Requires one 50 minute class period
- Includes teacher's guide and student worksheets that have components of literacy skills

INCLUDES:

12 color-coded components packets containing: 16 Deoxyribose-sugar groups - black linkage; 16 Phosphate groups - white tubes; 8 Nitrogen (purine) bases: 4 Adenine (A) - orange tubes, 4 Guanine (G) - yellow tubes; 8 Nitrogen (pyrimidine) bases: 4 Cytosine (C) - blue tubes, 4 Thymine (T) - green tubes; 8 Hydrogen bonds - opaque rods. One teacher's guide; 38 student worksheets and guides

**Concepts Illustrated:**

- Build a segment of the DNA molecule and see what a double helix is like
- Model can be “unzipped” allowing for replication of DNA segment

ORDERING INFORMATION:

Class size: 12 students.

Cat. No.	Description	Price
S19379	Molecular Model of DNA/Replication Kit	112.00/Ea

United Scientific™ DNA Model

Pre-assembled DNA model built to a scale of 10cm to 1nm.

Accurately depicts a 16 base pair section of DNA.

- Phosphate-deoxyribose backbone and the four bases represented by custom plastic moldings
- Moldings show the shapes of the molecules in scale and illustrate the bonding between them
- Handedness of the backbone chains and the relative sizes of the major and minor grooves in the relaxed molecule are correctly portrayed
- Supported by a central pillar, which can rotate on a circular stand



ORDERING INFORMATION:

Shipping weight: 2.5 lb.

Dimensions: 25 × 9 × 9 in.

Cat. No.	Description	Price
S05910	DNA Model	83.00/Ea

United Scientific™ Protein Synthesis Manipulative Kit

Teach protein synthesis with hands-on manipulatives.

Large, colorful models of DNA, mRNA, ribosome, tRNA and amino acid attach to the blackboard for a visual simulation of protein synthesis.

- Smaller size models provide students with hands-on learning. Activities include identifying the amino acid sequence resulting from a unique DNA sequence
- Includes an instructional CD-ROM with suggested activities



ORDERING INFORMATION:

Class size: 30 students working in groups of five.

Cat. No.	Description	Price
S65998	Protein Synthesis Manipulative Kit	394.00/Ea

Edvotek™ Exploring Biotechnology with Green Fluorescent Protein (GFP)

Four experimental modules are combined into one experiment to provide a comprehensive biotechnology exploration focusing on the green fluorescent protein (GFP).

- Bacterial cells are transformed to express the green fluorescent protein (GFP)
- Transformed cells are then grown and the GFP is purified by column chromatography
- The purity of the protein fractions are analyzed by SDS polyacrylamide electrophoresis

Experiment times:

- Module I: Transformation, 45 minutes
- Module II: Isolation of GFP, 45 minutes
- Module III: Purification of GFP by Chromatography, 45 minutes
- Module IV: Analysis by GFP by Denaturing SDS Gel Electrophoresis, one hour



ORDERING INFORMATION:

Contains materials for six experiments with four modules each.

STORAGE:

Some components require freezer storage

INCLUDES:

Instructions; BactoBeads; Plasmid DNA for GFP; IPTG; Ampicillin antibiotic; Calcium chloride; ReadyPour™ luria broth agar; Luria broth media for recovery; Petri plates; Pipets; Calibrated transfer pipets; Inoculating loops; Microtest tubes with attached caps; Toothpicks; Dry matrix for columns; Chromatography columns; Green fluorescent protein extracts; Elution buffer; Protein molecular weight standards; Protein denaturation solution; Glycerol solution; Tris-Glycine-SDS buffer; Stains

REQUIRES:

Incubation oven; Two water baths; Microwave or hotplate; Automatic micropipet and tips; Pipet pumps or bulbs; Ice; Long-wave UV light; Ring stand and clamps; Lab glassware; Ice; Vertical gel electrophoresis apparatus; Power supply; Three polyacrylamide gels (12%); Plastic trays or large weigh boats for optional staining and destaining; Glacial acetic acid; Methanol

Cat. No.	Description	Price
S05657	Exploring Biotechnology with Green Fluorescent Protein (GFP)	213.00/Ea

Edvotek™ In Search of the Sickle Cell Gene by Southern Blot

Use Southern blots to detect mutations while gaining insight about the effects of sickle cell anemia.

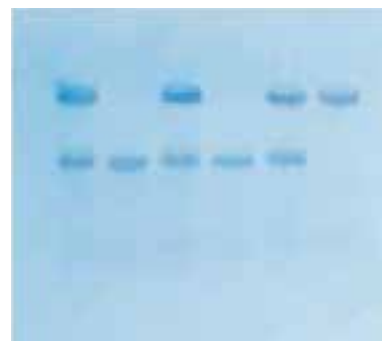
Southern blotting is an important technique used widely in clinical genetics and research. By transferring DNA from an agarose gel onto a membrane, the method allows you to analyze and identify the DNA bands on a gel precisely. Your students will use Southern blotting to find a point mutation in the hemoglobin gene indicating Sickle Cell Anemia.

INCLUDES:

instructions, Ready-to-Load™ DNA samples, agarose, electrophoresis buffer, nylon membranes, filter paper, blot stain

REQUIRES:

- Horizontal gel electrophoresis apparatus
- Hotplate
- Micropipets
- Balance
- Water bath
- Incubation oven
- 250mL Flasks
- All necessary safety equipment
- Concentrated HCl
- NaOH
- Forceps Distilled or deionized water



Cat. No.	Description	Price
S11315ND	Sickle Cell Kit	207.00/Ea

Edvotek™ Sickle Cell Gene Detection

Gain an understanding of the effect of mutations on health and disease.

- Genetically inherited diseases in humans can be caused by a single nucleotide mutation resulting in a change. Such a substitution can affect the structure and function of a critical protein, rendering it partially or completely nonfunctional. A classic example is hemoglobin in sickle cell anemia
- Agarose gel-based experiment designed for DNA staining and visualization with InstaStain™ Methylene Blue
- Demonstrates the use of a restriction enzyme that discriminates between the normal and sickle cell hemoglobin genes
- This experiment does not contain human DNA

INCLUDES:

Instructions, Ready-to-Load QuickStrip™ DNA Samples, UltraSpec-Agarose™, Electrophoresis Buffer (50X), 10X Gel Loading Solution, FlashBlue™ DNA Stain, InstaStain™ Blue Cards, & Disposable Pipets

REQUIRES:

Horizontal gel electrophoresis apparatus; D.C. power supply; Automatic micropipets with tips; Balance; Microwave, hotplate or burner; Pipet pump; 250mL flasks or beakers; Hot gloves; Safety goggles and disposable laboratory gloves; Small plastic trays or large weigh boats (for gel destaining); DNA visualization system (white light); Distilled or deionized water



Cat. No.	Description	Price
S94670	Sickle Cell Gene Detection (DNA-based)	117.00/Ea

Edvotek™ The Mystery of the Crooked Cell

Demonstrates detection of the mutation that causes sickle cell anemia.

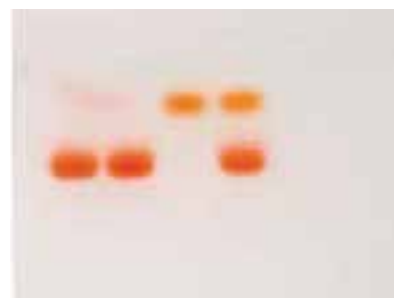
Students use electrophoresis to separate dyes that represent patient samples and controls. Developed in partnership with Boston University School of Medicine.

INCLUDES:

- Ready-to-Load™ dye samples
- Agarose powder
- Practice gel-loading solution
- Electrophoresis buffer
- Microtipped transfer pipets
- Instructions

REQUIRES:

- Electrophoresis tank
- Power supply



Cat. No.	Description	Price
S96377	The Mystery of the Crooked Cells Kit	72.00/Ea

LAB-AIDS™ Genetic Equilibrium and Natural Selection

Students study the principles of genetic equilibrium and natural selection as a process of evolution. Lab-Aids™ Genetic Equilibrium and Natural Selection is a practical simulation to help students understand these concepts.



A simulation is used to develop insights about the genetic process involved when natural selection operates within a population in genetic equilibrium. Students use data collected in the Hardy-Weinberg Equilibrium to understand better the actual complexity of natural selection.

- Maximum 45 students/15 group
- One 50 minute class period
- Student worksheets incorporate literacy skills
- All materials reusable

Concepts Illustrated:

- Understand the principles of genetic equilibrium and natural selection as a process of evolution
- Collect data from a simulated genetic process when natural selection is operating on a population in genetic equilibrium
- Use Hardy-Weinberg Equilibrium
- Understand that gene frequencies in equilibrium will remain in equilibrium in the absence of mutation, migration, or selection
- Understand that natural selection operates against the less favorable phenotypes in a population resulting in a larger proportion of favorable phenotypes in subsequent generations

INCLUDES:

Teacher's guide; 30 student worksheets and guides; 15 shakers; 60 alleles, plastic, dark-colored; 40 alleles, plastic, light-colored

Cat. No.	Description	Price
S20971	Genetic Equilibrium and Natural Selection Kit	93.00/Ea

LAB-AIDS™ Heredity and Environment

An exploration of the relationship between heredity and environment in seed traits. Lab-Aids™ Heredity and Environment has student germinate hybrid tobacco seeds in darkness and in light before making observations.



Students set up controlled experiments that provide mathematical data to test their theoretical genetic hypothesis about heredity and the factors determined by the environment. They see how a recessive trait becomes evident. Students also germinate the hybrid tobacco seeds with one normal and one albino gene, stimulate shoot production, examine the relationship of the dominant gene (chlorophyll production) to the recessive gene and make conclusions concerning the genotype relevant to a visible phenotype. This is an excellent Lab-Aid to correlate heredity with environmental influences.

- Maximum 45 students/15 groups
- One+ 50 minute class period
- Student worksheets incorporate literacy skills

Concepts Illustrated:

- Discover which is more important: Heredity or Environment
- Controlled experiment provides mathematical data to test hypotheses
- Discover how a recessive trait becomes evident
- Examine the relationship of a dominant gene to a recessive gene and draw conclusion concerning the genotype relevant to a visible phenotype

INCLUDES:

Teacher's guide; 30 student worksheets and guides with data charts; 60 germinating papers; 15 germinating dishes, clear plastic, two-section; 15 germinating dishes, opaque plastic, two-section; 1 albino tobacco seeds, vial

Cat. No.	Description	Price
S20972	Heredity and Environment Kit	81.00/Ea

Edvotek™ In Search of My Father

Solve the mystery of two boys separated from their parents a decade ago.

- Students identify the biological mother by mitochondrial DNA
- Identify the biological father using chromosomal DNA
- Complete in 45 minutes



ORDERING INFORMATION:

For 10 lab groups.

INCLUDES:

- Instructions
- Ready-to-Load™ dye samples
- Agarose powder
- Practice gel-loading solution
- Buffer
- Microtipped transfer pipets

REQUIRES:

- Electrophoresis apparatus
- Power supply
- Microwave or hotplate

Cat. No.	Description	Price
S05713	In Search of My Father	72.00/Ea

Edvotek™ Cancer Gene Detection

Track cancer formation and genetic patterns.

Immortality through uncontrolled cell division is a characteristic of cancer cells. The p53 gene is a tumor suppressor gene which prevents this. Mutations in this gene are present in more than 50% of cancers. Testing people for mutations in their p53 gene can indicate an increased risk in developing cancer. These tests raise intriguing ethical questions for both the individual tested and the family of an individual who chooses to be tested. In this experiment, students determine a pedigree for a family suspected to be carriers of mutations in their p53 genes. A DNA test indicates their likelihood of developing cancer.



INCLUDES:

Instructions, Ready-to-Load QuickStrip™ DNA Samples, UltraSpec-Agarose™, Electrophoresis Buffer (50X), 10X Gel Loading Solution, FlashBlue™ DNA Stain, InstaStain™ Blue Cards, & Disposable Pipets.

REQUIRES:

- Horizontal gel electrophoresis apparatus
- Hotplate
- Micropipets
- Balance
- Water bath
- UV transilluminator
- 250mL flasks
- All necessary safety equipment
- Distilled or deionized water

Cat. No.	Description	Price
S66828	Cancer Gene Detection	117.00/Ea

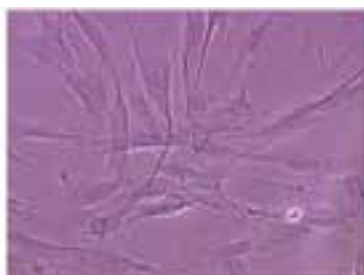
Edvotek™ Mammalian Cell Culture Kits

Offer a microscopic comparison of the morphology of normal and transformed mammalian cells.

Provide an understanding and visual comparison of the morphology of various normal and transformed mammalian cells by microscopic examination. Procedures similar to these are used to examine biopsy specimens.

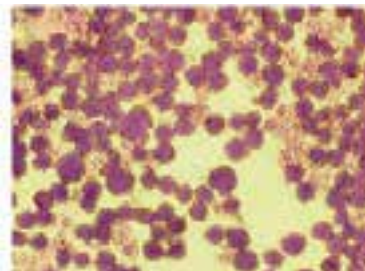
Analysis and Comparison of Various Mammalian Cell Types

- Fixes and stains four different cell types for direct microscopic comparison to show the differences between normal and transformed cell cultures



Morphology of Cancer Cells

- Compares the contact inhibition of normal cells to the increased growth of cancer cell colonies



INCLUDES:

- All necessary materials plus complete instructions, background information, and study questions.

REQUIRES:

- Microscope with 400–600X magnification
- Forceps
- Gloves
- Distilled water
- Differentiation of Human Cells by Retinoic Acid also requires immersion oil and immersion objectives for the microscope

ORDERING INFORMATION:

- Most kits will supply six groups of students.

Cat. No.	Description	Price
S67199	Morphology of Cancer Cells	140.00/Ea
S67196	Analysis of Mammalian Cell Types	146.00/Ea

Edvotek™ AIDS Kit I: Simulation of HIV-1 Detection

In this experiment, students will perform an ELISA test by coating microtiter plate wells with simulated HIV antigen and then test simulated donor serum for anti-HIV antibodies.



A model for HIV-1 detection without the use of blood

Simulates the screening for antibodies against human immunodeficiency virus (HIV-1). Enzyme-linked immunoabsorbent assay (ELISA) is currently used for initial clinical screening of the blood supply for HIV-1. Students add simulated HIV antigen to wells in the microtiter plate and follow it with washing and introduction of simulated antibodies of HIV-1 positive or negative samples. A second antibody is added which binds to the first antibody of HIV-1 positive samples and results in a color change.

Note: some kit contents may need to be redeemed by mail.

INCLUDES:

Complete instructions, background information, and study questions; biologicals and reagents; three microtiter plates; 50 transfer pipettes; 60 microtest tubes with attached caps; twenty-five 1mL pipettes; two 50mL plastic tubes.

REQUIRES:

- Distilled or deionized water
- Beakers 37°C incubation oven
- Automatic micro- pipettes and tips (optional)

Edvotek™ How Does a Doctor Test for AIDS?

Students perform simulated ELISA testing for AIDS.

- Immunology-based diagnostic tests are used to detect various diseases
- Enzyme Linked Immunosorbent Assay (ELISA) tests for antibodies in the blood which indicate infection
- Students perform a simulated ELISA test to identify “infected” samples and compare them to control samples
- Complete in 45 minutes

No human blood or components are used in this experiment.

ORDERING INFORMATION:

For 10 groups.

INCLUDES:

- Simulated HIV antigens
- Positive control
- Negative control
- Donor 1 serum
- Donor 2 serum
- Secondary antibody (2°Ab)
- Substrate
- HIV antibody detection strips
- Small transfer pipets
- Large transfer pipets
- Microtest tubes
- Complete instructions, background information and study questions

REQUIRES:

- Distilled water
- Beakers, 50 or 100mL
- Pencils
- Gloves
- Timer or clock



Cat. No.	Description	Price
S11271	HIV-1 Detection	156.00/Ea

Cat. No.	Description	Price
S94603	How Does a Doctor Test for AIDS?	81.00/Ea

Edvotek™ Blue/White Cloning of DNA Fragment and Assay of β -galactosidase

To clone a DNA fragment in pUC-linker and select colonies that have DNA inserts based on color selection.

When DNA is subcloned in the pUC polylinker region, β -galactosidase production is interrupted, resulting in the inability of cells to hydrolyze X-Gal. This results in the production of white colonies amongst a background of blue colonies. This experiment provides a DNA fragment together with a linear plasmid and T4 DNA Ligase. Following the ligation to synthesize the recombinant plasmid, competent *E. coli* cells are transformed and the number of recombinant antibiotic resistant white and blue colonies are counted. β -galactosidase activity is assayed from blue and white bacterial cells. This experiment can be broken down into three modules: ligation, transformation, and assay of β -galactosidase.



INCLUDES:

instructions, Linearized pUC plasmid & DNA fragment, T4 Ligase, BactoBeads™ for transformation, reconstitution buffer, XGal in solvent, IPTG, calcium chloride, antibiotic, ReadyPour™ Luria Broth Agar, Luria broth media for recovery, growth media, assay components, plastic supplies

REQUIRES:

Incubation oven, two waterbaths, shaking incubator or shaking waterbath, microwave or hot plate, automatic micropipet and tips, spectrophotometer, balance, centrifuge, microcentrifuge, glassware and cuvettes, distilled water and ice

Cat. No.	Description	Price
S11300ND	Blue/White Cloning of DNA Fragment	281.00/Ea

Edvotek™ Genes in a Tube™

Students can transfer their DNA to a tube that can be worn as a pendant.

- Students extract and precipitate their own DNA
- Transfer to tube or save on DNA report card

INCLUDES:

instructions, lysis buffer, NaCl solution, Protease, Tris buffer, FlashBlue™ solution, microcentrifuge tubes, sterile cotton tipped applicators, transfer pipets, tubes for DNA precipitation, Gene Tubes™, and string

REQUIRES:

Ice cold alcohol (95% ethanol or isopropyl alcohol) and a water bath (56°C)



Cat. No.	Description	Price
S68635	Genes in a Tube	133.00/Ea

Edvotek™ Cholesterol Diagnostics

Study cholesterol-based diseases.

- In this experiment, a simulated genetic test for familial hypercholesterolemia (FH) is demonstrated in which patients are tested for a DNA polymorphism linked to the FH gene



- Develop an understanding of the genetics and DNA-based diagnostics of cholesterol-based diseases
- This experiment does not contain human DNA

INCLUDES:

Instructions, Ready-to-Load QuickStrip™ DNA Samples, UltraSpec-Agarose™, Electrophoresis Buffer (50X), 10X Gel Loading Solution, FlashBlue™ DNA Stain, InstaStain™ Blue Cards, & Disposable Pipets

REQUIRES:

Horizontal gel electrophoresis apparatus; DC power supply; Automatic micropipets with tips; Balance; Microwave, hotplate or burner; Pipet pump; 250mL flasks or beakers; Hot gloves; Safety goggles and disposable laboratory gloves; Small plastic trays or large weigh boats for gel destaining; DNA visualization system (white light); Distilled or deionized water

Cat. No.	Description	Price
S94608	Cholesterol Diagnostics	117.00/Ea

Edvotek™ Restriction Enzyme Mapping

A prerequisite to cloning and DNA sequencing

In this experiment, a plasmid DNA is cleaved with different combinations of restriction enzymes. By determining the fragment size and using agarose gel electrophoresis, the relative positions of the restriction sites can be mapped.



INCLUDES:

instructions, Plasmid DNA for Restriction Digest, Restriction Enzyme Reaction Buffer, UltraPure Water, Restriction Enzyme Dilution Buffer, EcoRI DRYzyme, BamHI DRYzyme, DNA Standard Marker, UltraSpec-Agarose™, Electrophoresis Buffer (50X), 10X Gel Loading Solution, InstaStain™ Ethidium Bromide, FlashBlue™ Stain, Microcentrifuge Tubes with attached caps

REQUIRES:

- Horizontal gel electrophoresis apparatus
- Hotplate, micropipetter, balance
- Waterbath, weigh boats, floating racks
- White light visualization system
- Pipets, pipet pump or bulb
- Glassware, metric rulers, ice
- All necessary safety equipment
- Distilled or deionized water

Cat. No.	Description	Price
S67264	Restriction Enzymes Mapping Kit	157.00/Ea

Edvotek™ DNA Fingerprinting Using Restriction Enzymes

Learn about restriction enzymes.

- The objective of this simulated forensic analysis is to develop an understanding of DNA fingerprinting by use of restriction enzymes
- Hypothetical crime scene samples are provided in addition to DNA samples, restriction enzymes and reaction buffer to digest suspect's DNA
- Digestion products are separated by agarose gel electrophoresis
- Students determine the guilty suspect through identification of the unique restriction enzyme fragmentation patterns
- Does not contain human DNA
- Some components require refrigeration, some require freezing

ORDERING INFORMATION:

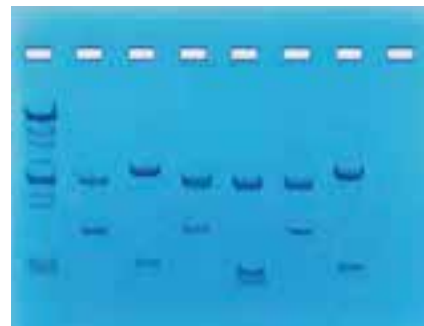
Contains materials for six gels (six lanes each) with InstaStain™ Methylene Blue.

INCLUDES:

instructions, "crime scene" and "suspect" Ready-to-Load™ DNA samples, DNA Standard Marker, Dryzymes™ - Eco RI and Hind III, Enzyme Reaction Buffer, Reconstitution Buffer, Enzyme Grade Water, UltraSpec-Agarose™, 10X Gel Loading Solution, 50X Concentrated Electrophoresis Buffer, Practice Gel Loading Solution, InstaStain™ Blue Cards, FlashBlue™ DNA Stain, Disposable Pipets, & Microcentrifuge Tubes

REQUIRES:

Required: Horizontal gel electrophoresis apparatus; DC power supply; Automatic micropipets with tips; Water bath/Hotplate, Bunsen burner or microwave oven



Recommended: DNA visualization system (white light); Staining tray and net; 250mL flasks; Pipet pump; Hot gloves; Marking pens; Distilled or deionized water; Ice

Cat. No.	Description	Price
S94610	DNA Fingerprinting Using Restriction Enzymes	146.00/Ea

Edvotek™ DNA Fingerprinting: Identification of DNA by Restriction Fragmentation Patterns

Reveals techniques used in forensic and medical procedures.

Basic concepts of DNA fingerprinting are featured in this lab by comparing crime scene DNA with suspect DNAs. Fingerprint patterns are separated by agarose gel electrophoresis and the students determine who may have done-it!

INCLUDES:

Instructions, Ready-to-Load QuickStrip™ DNA Samples, UltraSpec-Agarose™, Electrophoresis Buffer (50X), 10X Gel Loading Solution, FlashBlue™ DNA Stain, InstaStain™ Blue Cards, & Disposable Pipets.

REQUIRES:

Horizontal gel electrophoresis apparatus; DC power supply; Staining tray; Visualization system (white light); Micropipets with tips to obtain samples for five gels; 250mL flasks or beakers; Distilled or deionized water; Hotplate, Bunsen burner or microwave; Balance



Cat. No.	Description	Price
S11109	Identification of DNA by Restriction Fragmentation Patterns	117.00/Ea

Edvotek™ DNA Fingerprinting by PCR Amplification

Demonstrates the utility of DNA amplification in forensics.

- Forensic DNA fingerprinting has become a universally accepted crime-fighting tool. Recent advances use the Polymerase Chain Reaction (PCR) to amplify human DNA obtained from crime scenes
- Develop a basic understanding of DNA fingerprinting
- Experiment is based on a crime scene scenario and has an inquiry-based component
- Enables varied results depending on the selection of DNA fingerprinting patterns
- Students analyze PCR reactions obtained from different suspects and compare them to a crime scene sample
- Does not contain human DNA

INCLUDES:

Instructions, Ready-to-Load QuickStrip™ DNA Samples, UltraSpec-Agarose™, Electrophoresis Buffer (50X), 10X Gel Loading Solution, FlashBlue™ DNA Stain, InstaStain™ Blue Cards, & Disposable Pipets

REQUIRES:

Horizontal gel electrophoresis apparatus; DC power supply; Automatic micropipets with tips; Balance; Microwave, hot plate or burner; Pipet pump; 250mL flasks or beakers; Hot gloves; Safety goggles and disposable laboratory gloves; Small plastic trays or large weigh boats (for gel destaining); DNA visualization system (white light); Distilled or deionized water

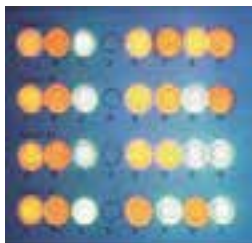


Cat. No.	Description	Price
S94607	DNA Fingerprinting by PCR Amplification	117.00/Ea

Edvotek™ DNA/RNA Microarrays

Membrane microarray technology enables scientists to screen large numbers of samples in one assay.

Benefit from cost savings by reducing the sample size, while saving time and yielding accurate results.



- Students apply simulated DNA and RNA samples to a membrane to screen for positive and negative samples
- Complete in one hour

ORDERING INFORMATION:

For 10 groups.

INCLUDES:

- Instructions
- Simulated patient DNA and RNA samples and controls
- Microarray cards
- Plastic bags to incubate membrane
- Microtest tubes
- Pipets

REQUIRES:

Automatic micropipets and tips, distilled water and beakers or flasks

Cat. No.	Description	Price
S05648	DNA/RNA Microarrays	146.00/Ea

Eisco Genetic Traits Taste Testing Strips

Demonstrate how the ability to taste a certain compound is based on heredity.

Is it sweet, salty, bitter or tasteless?



- Depending on their own genetics, students will experience different tastes from the test strips
- PTC — seven out of 10 students will detect a definite taste; remainder will not
- Sodium benzoate — genetics determine if the paper tastes sweet, salty, bitter or tasteless. If a student can taste PTC, he may not be able to taste thiourea
- Control strips have no PTC, sodium benzoate or thiourea

ORDERING INFORMATION:

Each test strip comes in a pack of 100.

Cat. No.	Description	Price
S85287A	PTC Paper Taste Strip	3.55/Pk
S85286A	Control Paper Taste Strip	3.50/Pk
S85288A	Sodium Benzoate Paper Taste Strip	3.55/Pk
S85289A	Thiourea Paper Taste Strip	3.55/Pk

Electrophoresis

DNA Fingerprinting Electrophoresis Lab Activity Educational Kit

Experiments to perform agarose gel electrophoresis on four DNA samples to determine if DNA from suspects matches that of DNA found at a crime scene. Innovating Science DNA Fingerprinting Electrophoresis Lab Activity Educational Kit, help students to learn about restriction enzymes and importance of these enzymes in DNA fingerprinting process.

- Contains enough materials for 8 groups
- Includes Teacher's Guide and Student Study copymasters

INCLUDES:

200mL Prepared Agarose 0.8% Solution; 500mL Tris-Borate-EDTA Buffer 5X; 60mL DNA Stain; 10µg Crime Scene DNA; 10µg Victim DNA; 10µg Suspect #1 DNA; 10µg Suspect #2 DNA



Cat. No.	Description	Price
S28493	DNA Fingerprinting Electrophoresis Lab Activity Educational Kit	87.75/Ea

Edvotek™ DNA Paternity Testing Simulation Kit

This experiment introduces students to the use of DNA fingerprinting in a hypothetical paternity determination. The experiment does not contain human DNA.



INCLUDES:

Instructions, Ready-to-Load QuickStrip™ DNA Samples, UltraSpec-Agarose™, Electrophoresis Buffer (50X), 10X Gel Loading Solution, FlashBlue™ DNA Stain, InstaStain™ Blue Cards, & Disposable Pipets.

REQUIRES:

Required Materials (not included):

- Horizontal Gel Electrophoresis apparatus
- Water bath
- Visualization system (white light)
- Micropipets
- Hot-hand protector
- Deionized water
- 250mL beakers
- Hotplate or Bunsen burner
- Photodocumentation system

Cat. No.	Description	Price
S11114	DNA Paternity Testing Simulation Kit	117.00/Ea

Edvotek™ Amplification of DNA by PCR

Easy PCR experiment, students will make billions of copies of a small amount of DNA.

In this easy PCR experiment, students will make billions of copies of a small amount of DNA in just 90 minutes! They will just need to mix template DNA & primers with PCR beads that contain all of the other components required to carry out a PCR reaction. Students will see the increasing amounts of DNA for themselves, taking samples every few cycles and analyzing them on a DNA gel.

INCLUDES:

Instructions, PCR EdvoBeads™, LyphoPrimer™ Mix, DNA Standard Marker, Ultra-pure Water, LyphoTemplate™, TE Buffer, UltraSpec-Agarose™, 50X Electrophoresis Buffer, 10X Gel Loading Solution, FlashBlue™ Stain, InstaStain™ Ethidium Bromide, Microcentrifuge & PCR Tubes, Wax Beads

Cat. No.	Description	Price
S11330	DNA Amplification	211.00/Ea



Edvotek™ Exploring the Genetics of Taste: SNP Analysis of the PTC Gene Using PCR Experiment Kit

To identify the presence of the single nucleotide polymorphism (SNP) in an amplified segment of the PTC gene that links detection of the characteristic taste of PTC paper. Edvotek™ Exploring the Genetics of Taste: SNP Analysis of the PTC Gene Using PCR Experiment Kit includes 5 modules.

Five Modules Includes:

- Extraction of DNA from buccal cells
- Amplifying the segment that contains the polymorphic nucleotide
- Digestion of the amplified fragment with the restriction enzyme that recognizes the SNP
- Analysis by gel electrophoresis
- Tasting the PTC paper to confirm the results obtained
- For 25 reactions
- Complete in 3 hrs. 30 min.
- Level: Advanced
- Requires wet ice shipment for next day delivery

INCLUDES:

Instructions, PCR EdvoBeads™, Universal DNA Buffer, TE Buffer, LyphoPrimer™ Mix, LyphoTemplate™ Control DNA, Dryzymes™ Restriction Enzyme HaeIII, Restriction Enzyme Dilution Buffer, 100 bp Ladder, Proteinase K, PTC Paper, Control Taste Paper, UltraSpec-Agarose, Electrophoresis Powder Buffer, InstaStain™ Ethidium Bromide, Disposable plastic cups, 15mL Conical Tube, Snap-top microcentrifuge tubes, microcentrifuge tubes (1.5mL screw-cap), 0.2mL PCR tubes, wax beads, and salt packets

REQUIRES:

Thermal cycler, electrophoresis apparatus, power supply, automatic micropipet, microwave or hot plate, waterbath, UV transilluminator.

Cat. No.	Description	Price
S29018	Exploring the Genetics of Taste: SNP Analysis of the PTC Gene Using PCR Experiment Kit	256.00/Ea



Edvotek™ Construction and Cloning of DNA Recombinant

To study gene structure, function, and to enhance gene expression.

- It is divided into five modules
- Clones are constructed by ligation of a vector and a fragment insert
- The constructs are then transformed into competent cells and the cells are grown and selected for resistance
- Plasmid DNA is then isolated from the transformants, cleaved with restriction enzymes, and analyzed by agarose gel electrophoresis
- Recommended for college level courses
- For 5 lab groups
- Time: Enzyme digestion 30 min., Gel preparation 30 min., Electrophoresis 45 min., Staining 15 min. and Destaining 20 min.

Unit comprises: Electrophoresis tank and power supply, automatic micropipet with tips, balance, microwave or hot plate, waterbath, large weigh boats for staining, UV transilluminator, floating racks for microtest tubes, pipet pump or bulb, 5 or 10mL pipets, laboratory glassware, metric rulers, distilled water and ice

INCLUDES:

Ultra-pure Water, DNA Fragments for Ligation, T4 DNA Ligase in Reaction Tube, Kanamycin Sulfate, Supercoiled Control DNA Samples, JM109 BactoBeads™, 0.05 M Calcium Chloride, ReadyPour™ LB Agar, Recovery Broth, Growth Medium, Tris-EDTA-Glucose Buffer (TEG), 2M NaOH, 10% SDS, RNase (DNase-free), Tris-EDTA Buffer, Acidified Potassium Acetate, Ultra-pure Water for Restriction Digests, 10X Restriction Enzyme Reaction Buffer, Dryzymes™ Rehydration Buffer, DNA Standard Marker, Supercoiled Plasmid Vector Standard, EcoRI Dryzymes™, PvuII Dryzymes™, XhoI Dryzymes™, InstaStain™ Ethidium Bromide, 10X Gel Loading Solution, 50X Electrophoresis Buffer, UltraSpec-Agarose, Screw Cap Tubes (sterile), Microtest tubes (0.5mL), petri plates (sterile, 60 × 15mm), 1.5mL microcentrifuge tubes, sterile inoculating loops/needles, 10ml pipets (sterile), sterile 50mL culture tubes, petri plates (sterile, 100 × 15mm)

Cat. No.	Description	Price
S11301ND	Construction and Cloning of DNA Recombinant	512.00/Ea



Edvotek™ GFP Transformation Extension: Colony PCR Experiment Kit

Determines whether cloning, transformation experiments were successful.

- Colony PCR to analyze bacteria transformed with pFluoroGreen
- Single colony used as DNA template for PCR
- Resulting PCR sample analyzed using agarose gel electrophoresis
- Used in conjunction Edvotek Transformation Kits (Part No: S68653, S68654 or S05657)

INCLUDES:

Instructions, PCR EdvoBeads™, Colony Primer Mix Concentrate, Control DNA Concentrate, Ampicillin, IPTG, EdvoQuick™ DNA Ladder, TE Buffer, BactoBeads™, ReadyPour™ Luria Broth Agar, Petri Dishes, , ampicillin, IPTG, ReadyPour™ Luria Broth Agar (sterile), UltraSpec-Agarose™, Electrophoresis Buffer (50X), 10X Gel Loading Solution, InstaStain™ Ethidium Bromide, FlashBlue™ Liquid Stain, Petri Plates, Sterile Loops, Microcentrifuge & PCR Tubes & Wax Beads.



Edvotek™ Principles and Practice of Agarose Gel Electrophoresis

Introduce basic concepts and procedures of agarose gel electrophoresis with this complete experiment.

Demonstrate to your class how electrophoresis separates molecules on the basis of size and charge. A safe, colorful, fast and simple way to teach a technique that will engage your students.

INCLUDES:

Instructions, Ready-to-Load QuickStrip™ Dye Samples, UltraSpec-Agarose™, Electrophoresis Buffer (50X), Practice Gel Loading Solution, Disposable Pipets.

REQUIRES:

Horizontal gel electrophoresis apparatus; DC power supply; visualization system (white light); pipet pump and hotplate; 250mL flasks and distilled or deionized water



Cat. No.	Description	Price
S42874	GFP Transformation Extension: Colony PCR Experiment Kit	196.00/Ea

Cat. No.	Description	Price
S11101	Principles and Practice - Agarose Gel	80.00/Ea

Edvotek™ DNA DuraGel™

Designed for students to learn pipetting samples in agarose gels.

- DNA DuraGel™ gels are permanent polymer gels that allow students to practice the critically important skill of pipetting/gel loading.
- The clear, reusable gels are designed for the practice of loading 5 - 35 µl of samples.
- The gel grids are imprinted with a ruler for sizing DNA fragments. Also included are simulated FlashBlue™ and Ethidium Bromide gel images, ideal for representing how actual gels are stained with Methylene Blue and Ethidium Bromide.



Cat. No.	Device Holds	Includes	Price
S05712	6 Gels (4 to 8 students)	2 Reusable DNA DuraGel™, 2 FlashBlue™ and 2 Ethidium Bromide gel images, practice gel loading solution and mini-transfer pipets	45.50/Ea
S05711	6 Gels (12 to 24 students)	6 Reusable DNA DuraGel™, 4 FlashBlue™ and 4 Ethidium Bromide gel images, practice gel loading solution and mini-transfer pipets	95.00/Ea



Launch Your School's Biotech Program

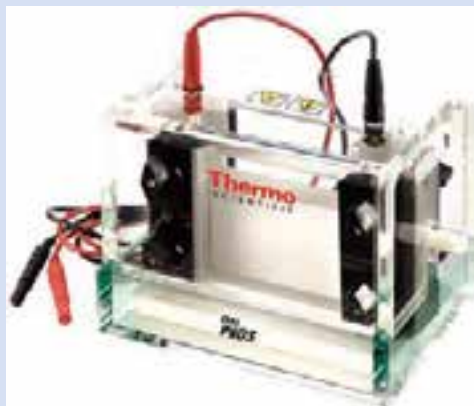
Find the curriculum, products, and support you need for every step of your journey.

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education
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fisherbrand Owl™ P8DS Electrophoresis Systems

Fast run times and easy operation for excellent results.



Manufactured using acrylic fabrication technology, providing a durable, long-lasting system. The design enables a very simple clamping mechanism that makes loading glass cassettes and most manufacturers' precast gels trouble-free.

- Quickly and easily cast and run one or two gels in the same device
- Unique agarose plug method makes casting gel simple and quick
- Gel assemblies do not have to be moved once set up
- Ideal for second dimension protocols of 2-D electrophoresis, SDS and agarose gels and native PAGE electrophoresis
- 8 to 10L × 10cmW gel size
- 13L × 17W × 14cmH footprint
- Includes SuperSafe™ lid with attached power supply leads

Dual Gel System

- 150mL upper buffer chamber running buffer
- 150mL lower buffer chamber running buffer
- 300mL total running buffer

Vertical System

- Combined casting and running steps
- Central cooling core provides even cooling across the gel surface for outstanding resolution and clear banding
- Cooling is achieved by circulating fluid through the core with an external circulator or cool tap water
- 150mL UBC and LBC buffer running volume and 300mL total running volume

WARRANTY:

Three years

Cat. No.	Description	Price
S98618	P8DS Dual Gel Electrophoresis System	746.00/Ea

Edvotek™ MV10 Protein Electrophoresis Apparatus

Seamless vertical electrophoresis unit is designed for separation of proteins on a single polyacrylamide gel.

Re-designed MV10 vertical protein electrophoresis unit capable of holding one vertical polyacrylamide gel, the unit has color coded parts to ensure proper orientation.



- Gel support cassette clip - holds gel securely, allows for easy placement and removal of gel
- New, sleek design
- Domed lid with sturdy overmold grip feature
- Modified shapes improves gel running speed by 10-15%
- Stabilizing feet - raises unit off bench to promote cooling and improves stabilization
- Placement of color-coded anode/cathode sides completely eliminates the chance of improper or reverse lid placement
- Electrode lead 90° right angle shape improves stability by lowering the overall profile and thus minimizes tipping
- Patent pending

INCLUDES:

- Seamless injection-molded base
- Safety interlock cover
- Corrosion-resistant, all-platinum electrodes with safety-insulated leads

WARRANTY:

Manufacturer's limited lifetime warranty and free technical support.

Cat. No.	Description	Price
S90257ND	MV10 Protein Electrophoresis Apparatus	315.00/Ea

Edvotek™ M12™ Complete Electrophoresis Package

Run the full spectrum of horizontal electrophoresis experiments with this versatile package! The reimagined M12 Complete™ supports one or two student groups in two standard length gel trays for experiments that require less separation, or one long gel tray for experiments that require more. Produces excellent results in 30-40 minutes and includes a lifetime warranty.



INCLUDES:

(2) 7 × 7cm Gel Trays, (1) 7 × 14cm Gel Tray, (2) 6 Tooth Combs, (2) 8/10 Tooth Combs, (4) Rubber End Caps

Cat. No.	Description	Price
S90242ND	M12 Dual Horizontal Model	256.00/Ea

Edvotek™ M36 HexaGel Electrophoresis Apparatus

Apparatus allows you to run six gels and separate up to 36 samples simultaneously.

Six groups of students can load their own individual gels and six gels are run together for 30-40 minutes giving results. Eliminate cumbersome gel tray taping and pour gels quickly and easily with our innovative gel tray sealing rubber end caps.



- New, sleek design
- Contoured lid enhances visualization
- Vented base
- Color coded push tabs
- Pour spout to pour out used buffer
- Replaceable electrode modules
- Six, 6-well combs

Cat. No.	Description	Price
S11515A	Platinum Electrodes	426.00/Ea

fisherbrand Large Gel Electrophoresis System

Provide leak-free casting in a 20 × 25cm gel tray with six comb positions.

Improve resolution in Northern and Southern blotting of large gels and multiple samples.



- Available with same self-contained buffer recirculation method as Midigel System (S98617)
- Run up to 36 samples per comb position with supplied combs
- Permit up to four sets of samples to be run equal distances on the same gel
- Allow shorter gels to be poured when used with accessory wall comb
- Buffer volume: 2.3L
- May also be used with programmable power inverter for field inversion electrophoresis
- Gel size: 20 × 25cm; 2.3L buffer volume; Dimension: 37.5 × 28 × 10cm

INCLUDES:

Three-point leveling platform, buffer chamber, safety lid with attached power supply leads, UV-transparent gel tray, nonskid rubber feet and three 1.5mm combs (16-, 24-, 36-well)

Cat. No.	Description	Price
S98616	Large Gel Electrophoresis System	1010.00/Ea

fisherbrand Midigel Electrophoresis System

Provide leak-free gel casting in 13 × 16cm gel tray with two comb positions.

Run up to 32 samples on one gel with combs supplied.



- Available with buffer recirculation method that prevents ionic depletion on long gel runs, keeps ionic gradients from distorting results when multiple sample series are run simultaneously and prevents pH changes that can cause problems in RNA gels
- Buffer volume: 800mL
- Can run up to 48 samples on a gel with accessory combs
- L × W × H: 9.625 × 7 × 3.125 in. (24.5 × 18 × 8cm)

INCLUDES:

Buffer chamber, safety lid with attached power supply leads, UV-transparent gel tray, nonskid rubber feet and two 1.5mm thick combs (12- and 20-well)

Cat. No.	Description	Price
S98617	Midigel Electrophoresis System	667.00/Ea

fisherbrand FB300 Power Supply

- Versatile, compact FB300 runs up to three gels at once at either constant current or constant voltage
- Stackable, solid, compact power source
- Integral timer and auto shutoff prevents fear of losing valuable information
- No-slip feet anchor provides safe operation
- Ideal for mini SDS-PAGE, DGGE/CDGE and DNA/RNA submarine electrophoresis
- Maximum voltage: 300V
- Maximum current: 400mA
- Maximum power: 75w
- Three jacks
- Internal timer: 0 to 999 minutes



Cat. No.	Description	Price
S65533Q	FB300 Power Supply	767.00/Ea

Thermo Scientific™ Owl™ Separation B1A EasyCast™ Mini Gel Electrophoresis System

Designed to provide flat, even banding patterns and consistent results with less hassle.

The perfect size to determine molecular weight ranges of PCR fragments or larger-sized DNA molecules.



- Enables casting and running a gel in the buffer chamber
- Run 5 to 24 samples in 15 minutes
- The two comb slots on the UV Transmissible (UVT) gel tray double sample capacity by doubling the number of sample wells
- Heavy-duty, one-piece combs eliminate comb assembly
- UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands
- 8L x 7cmW (3.1 x 2.8 in.) gel size
- 16L x 10.5W x 9.5cmH (6.3 x 4.1 x 3.7 in.) footprint
- 400mL running buffer volume

Cat. No.	Description	Price
S98630	B1A EasyCast Mini Gel Electrophoresis System	550.00/Ea

fisherbrand Minigel Electrophoresis Systems

Provides easy, leak-free casting without tape, grease or seals.

Ideal for quick screening.

- Use 7 x 10cm gel tray with two comb positions
- Run up to 16 samples on one gel with combs supplied
- Can run up to 24 samples on a gel with accessory combs
- Buffer volume: 400mL



INCLUDES:

Buffer chamber, safety lid with attached power supply leads, UV-transparent gel tray, nonskid rubber feet, three-point leveling system and two 1.5mm thick combs (six- and 10-well)

Cat. No.	Description	Price
S98615	Minigel Electrophoresis System	522.00/Ea

Edvotek™ DuoSource™ 150 Power Supply

Edvotek's DuoSource 150 power supply is designed to power any combination of horizontal or vertical electrophoresis units.

- Safety features included a fused UL-approved, three-pronged power plug and non-conductive casing
- Equipped with an easy-to-replace 1 Amp slow burn fuse
- Delivers direct current, constant voltage at settings of 75 and 150V
- Maximum current is 300mA



Cat. No.	Description	Price
S11509E	150 Power Supply	245.00/Ea

Edvotek™ QuadraSource™ Power Supply

Power a combination of electrophoresis units with this 650mA power supply.



Run experiments in the least time possible with this powerful, versatile unit.

- Easy-to-use, fully programmable interface for setting voltage, current or timer control with each parameter displayed in real time
- Programs may be paused or resumed at any point

ORDERING INFORMATION:

10 to 300V for one to four units; maximum: 750mA.

Cat. No.	Description	Price
S05704	650mA Power Supply	491.00/Ea



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Power Supplies

Light, compact and stackable design saves valuable bench space.

Use with vertical or horizontal electrophoresis, electroblotting and more.

- Output is controlled either by time (timer included), constant current or constant voltage
- Four sets of output terminals allow four apparatus to be connected simultaneously



S05797 Mini Power Supply

- For horizontal and vertical gel electrophoresis
- Output: 10 to 300V in 1V steps
- Current: 4 to 500mA in 1mA steps
- 90w maximum in 1w steps

ORDERING INFORMATION:

110V/50 to 60Hz. Weight: 4.2 lb. (1.9kg).

CERTIFICATIONS:

CE marked.

Cat. No.	Description	Price
S05797	10 to 300V Mini Power Supply	573.00/Ea

Edvotek™ HexaGel™ Electrophoresis E-Z Align Trays

Feature gel casting trays E-Z Align™ casting trays or gel beds have rubber end caps that fit tightly to tray and eliminate the problem of leaking agarose solution



INCLUDES:

Three gel casting trays

Cat. No.	Dimensions (L x W)	Price
S05686	3.9 x 2.7 in. (10 x 7cm)	36.50/Ea
S94650	2.7 x 2.7 in. (7 x 7cm)	54.50/Ea

Edvotek™ HexaGel™ Electrophoresis Sixth-Tooth Comb

Well-former comb. Polycarbonate comb casting six wells accommodates up to 38 to 40µL of sample



INCLUDES:

Six-tooth well-former comb

Cat. No.	Description	Price
S94649	Six-tooth Comb	36.25/Ea

Edvotek™ Electrophoresis Double Comb

For both 8-well (30µL) and 10-well (20µL) volumes.

Injection-molded 8- and 10-well comb provides precise, uniform wells with two volumes. Made of impact-resistant polycarbonate. Fits DNA Fingerprinting (S94610), Southern Blot Analysis for DNA Fingerprinting (S11207), and HexaGel™ Electrophoresis Apparatus (S11515A).



Cat. No.	Description	Price
S94611	Double Comb	39.00/Ea

Edvotek™ UV Digital Photodocumentation System

Allows students and instructors to photographically document DNA stained with ethidium bromide. Edvotek™ UV Digital Photodocumentation System includes both midrange UV transilluminator and photodocumentation system.

- Hood accommodates gels up to 9.5 x 11cm
- Photos may be downloaded to compute
- Midrange UV transilluminator is designed to visualize DNA stained with Ethidium Bromide, SYBR™ Safe, and other fluorescent stains



Cat. No.	Description	Price
S29008	UV Digital Photodocumentation System	1020.00/Ea

Edvotek™ White Light Box

Safely enhance the visualization of DNA stained with FlashBlue™, proteins stained with Coomassie Blue and autoradiograms with the Edvotek White Light Box.

- Features a spacious 25 x 25cm (9.94 x 9.84 in.) viewing area
- Illuminated by long life LEDs
- Housed in a slim aluminum body
- Does not include an amber gel viewing filter
- Power Rating: 8 Watts
- Power Supply: uses external 110V power brick



Cat. No.	Description	Price
S11552	White Light Box	199.00/Ea

Edvotek™ TruBlu™ Blue Light Transilluminator

For viewing DNA gels stained with SYBR™ Safe eliminating the need for UV light or ethidium bromide. Edvotek TruBlu Blue Light Transilluminator is optimized to fit Edvotek Gels and the high intensity control and orange lid ensure superior visualization.



- Developed in concert with the inventor of the technology under license from Clare Chemical Research, Inc
- Viewing Area: 14.5cm x 18cm
- Optimized for Edvotek Gels
- Blue Light High Intensity Control
- Orange Contrast Lid
- Vivid results
- US Patent Nos. 6,198,107, 6,512,236, 6,914,250
- EP Patent No. 0 965 034
- Made in USA

Cat. No.	Description	Price
S42878	TruBlu Blue Light Transilluminator	362.00/Ea

Edvotek™ Midrange UV Transilluminator

Midrange (302nm) UV transilluminator designed to visualize DNA stained with ethidium bromide.



- UV filter 7 x 14cm (2.75 x 5.5 in.) in size
- Optimal for viewing almost every Edvotek experiment kit utilizing ethidium bromide (Edvotek standard gel size is 7 x 7cm [2.8 x 2.8 in.])
- Safety features include a UV-blocking cover and a power cut-off switch when cover is opened
- Also ideal for viewing gels stained with SYBR™ Safe

WARRANTY: Two years

Cat. No.	Description	Price
S97812	UV Transilluminator; Midrange (302nm)	869.00/Ea



YOUR STEM PROGRAM:
MAKE IT AMAZING!

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Edvotek™ Long Wave UV Mini-Lights

Used to detect hydrolysis of fluorescent substrate.



- Hand-held
- Also detects fluorescent *Artemia* and *Daphnia* after their ingestion
- Can also be used for observing fluorescence in Green (gfp) and Blue (bfp) fluorescent proteins

Cat. No.	Description	Price
S95133	UV Mini-Light	56.00/Ea

Edvotek™ Classroom PCR Discovery LabStation™

A versatile package suited to run the full spectrum of horizontal electrophoresis experiments.

Includes the following:

- 6 x S90242ND Edvotek™ M12 Complete™ Package (7 x 14cm Tray & 7 x 7cm Trays (2))
- 3 x S11509E Edvotek™ DuoSource™ 150 (75/150 V, for 1 or 2 units)
- 6 x S90243D Variable Micropipette (5 to 50 µL)
- 2 x S05661 Piccolo Microcentrifuge
- 1 x S68640 Edvotek™ EdvoCycler™ 2 (48 x 0.2mL)
- 1 x S42878 Edvotek™ TruBlu™ Blue Light Transilluminator (14.5 x 18cm viewing surface)
- 1 x S37220 Edvotek™ 1.8L Water Bath



Cat. No.	Description	Price
S72164	Classroom PCR Discovery LabStation™	4987.00/Ea

Edvotek™ Classroom PCR LabStation™

Supports up to 25 students.

INCLUDES:

Six M12 electrophoresis apparatus (7x14cm and 7x7cm trays), three Edvotek DuoSource™ 150 power supplies (75/150V, for one or two units), six variable micropipets (5 to 5µl), two Piccolo Microcentrifuges, one EdvoCycler™ (25 x 0.2mL), one TruBlu™ Blue Light Transilluminator, and one 1.8L Digital Water Bath



Cat. No.	Description	Price
S05705	Classroom PCR LabStation	7143.00/Ea

Edvotek™ Classroom DNA Discovery LabStation™

Newly reengineered M36 Electrophoresis Apparatus features the latest in electrophoresis design and supports up to six groups of students.

Includes the following:

- 1 × S11515A Edvotek™ M36 HexaGel Electrophoresis Apparatus (7 × 7cm Trays (6))
- 1 × S68298 Edvotek™ DuoSource™ 75 Power Supply
- 2 × S90244F Fixed Volume MiniPipette™ 40 µL
- 1 × S06689 Yellow Micropipet Tips 1 to 200 µL (1 Rack of 96 Tips)
- 1 × S94591 Whose DNA Was Left Behind



Cat. No.	Description	Price
S72163	Classroom DNA Discovery LabStation™	499.00/Ea

Edvotek™ Comprehensive Biotechnology LabStation™

High-quality equipment for the entire class.



- Prepared slide for use with classroom science studies

ORDERING INFORMATION:

Supports up to 48 students.

INCLUDES:

Six M12 electrophoresis apparatus (7 × 14cm and 7 × 7cm trays), three MV10 Protein Electrophoresis Apparatus, three QuadraSource™ 300 Power Supply (30-300V for 1 or 4 units), one EdvoCycler™ 2 (48 × 0.2mL), six variable micropipets (0.5 to 10µl), six variable micropipets (10-100µl), six variable micropipets (100 to 1000µl), one EdvoFoto™ Digital Gel Cam, one White Light Box, one TruBlu™ Blue Light Transilluminator, ten long wave UV mini-lights, two 1.8L Digital Water Baths, one Incucation oven, three Piccolo Microcentrifuges, one Tornado™ Vortexer, three Ultra Micropipet Tips (0.1-10µl / 2 Racks of 96), six Yellow Micropipet Tips (1-200µl / 2 Racks of 96), three Blue Micropipet Tips (200-100µl / 2 Racks of 100), and three Fine Tip Micropipet Tips (1-200µl / 1 Rack of 204).

Cat. No.	Description	Price
S05706	Comprehensive Biotech Labstation	13647.00/Ea

Edvotek™ Ultimate Biotechnology LabStation™

This extensive LabStation™ supports up to 32 students and offers a well-rounded introduction to the exciting field of biotechnology.



Includes the following:

- 1 × S68640 Edvotek™ EdvoCycler™ 2 (48 × 0.2mL)
- 8 × S90242ND Edvotek™ M12 Complete™ Electrophoresis Package (7 × 14cm Tray™ 7 × 7cm Trays (2))
- 4 × S90257ND Edvotek™ MV10 Protein Electrophoresis Apparatus
- 4 × S05704 Edvotek™ TetraSource™ 300 Power Supply (30-300 V for 1 or 4 units)
- 8 × S90243B Variable Micropipet (0.5 to 10 µL)
- 8 × S90243E Variable Micropipet (10 to 100 µL)
- 8 × S90243H Variable Micropipet (100 to 1000 µL)
- 1 × Cat. #594 EdvoPette™ Pipet Controller
- 1 × S29007 EdvoFoto™ Digital Gel Cam
- 1 × S11552 White Light Box
- 1 × S42878 Edvotek™ TruBlu™ Blue Light Transilluminator
- 1 × S97812 Edvotek™ Midrange UV Transilluminator
- 10 × S95133 Long Wave UV Mini-Light
- 4 × S37220 Edvotek™ 1.8 L Digital Water Bath
- 1 × S05876 Edvotek™ 10 L Digital Shaking Water Bath
- 4 × Cat. #5023 Tornado Vortexer™
- 3 × Cat. #533 Mezzo™ Microcentrifuge
- 2 × Cat. #546 Incubation Oven
- 8 × S94649 Edvotek™ 6 Tooth Comb
- 8 × S94650 Edvotek™ E-Z Align™ Tray 7 × 7cm
- 4 × S94651 Edvotek™ E-Z Align™ Tray 7 × 14cm
- 4 × S29019 Edvotek™ Rubber End Caps (Set of 2)
- 8 × S06687 Ultra Micropipet Tips (0.1 to 10 µL / 2 Racks of 96)
- 16 × S06689 Yellow Micropipet Tips (1 to 200 µL / 2 Racks of 96)
- 8 × S06691 Blue Micropipet Tips (200 to 1000 µL / 2 Racks of 100)
- 8 × S06694 Fine Tip Micropipet Tips (1 to 200 µL / 1 Rack of 204)

Cat. No.	Description	Price
S39358	Ultimate Biotechnology LabStation™	19999.00/Ea

Powdered Agarose (Low EEO)

Prepare your own agarose gels at any concentration with the addition of TBE running buffer.

- Can be stored at room temperature for years

Cat. No.	Description	Price
S37745	5g	11.50/Ea
S37746	25g	46.00/Ea



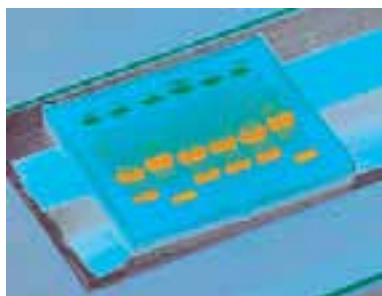
Edvotek™ Reagents for Electrophoresis

Cat. No.	Description	Price
S11601	Melt and Pour 0.8% UltraSpec-Agarose; 400mL	40.00/Ea
S11601B	Melt and Pour 0.8% UltraSpec-Agarose; 5 × 400mL	133.00/Ea
S11605	UltraSpec-Agarose; DNA Electrophoresis Grade, 20g	63.00/Ea
S11605B	UltraSpec-Agarose; DNA Electrophoresis Grade, 100g	201.00/Ea
S11607	Electrophoresis Buffer, 50X TAE (tris-acetate-EDTA), For 50L	39.00/Ea
S11609	FlashBlue™ Plus DNA Staining System; For 3L	46.00/Ea



Edvotek™ SYBR™ Safe DNA Stain

Improved staining efficiency without altering the DNA.



Used for post-electrophoresis DNA staining.

- Displays no acute oral toxicity and greatly reduced genotoxicity
- High sensitivity
- Duration of staining: 10-15 min.
- To visualize DNA expose gel to short/mid-range UV or Blue-Light Transilluminator
- Non-mutagenic
- More sensitive than ethidium bromide
- Reduces waste storage and disposal costs
- Offers non-hazardous waste status and Clean Water Act compliance
- 10,000X Concentrate for 750mL, Volume is 80 µl
- Simple dilution: 1:10,000 (Add 5µL to 50mL of molten agar)

Cat. No.	Description	Price
S05678	100µL dilutes to 750mL	196.00/Ea

Edvotek™ Protein Electrophoresis Reagents: Buffers

Buffers for use in the science classroom.

- For protein gel electrophoresis
- 500mL



Cat. No.	Description	Price
S94635	Tris-glycine-SDS Buffer	27.25/Ea
S94636	Tris-glycine Buffer	27.25/Ea

Edvotek™ Protein InstaStain™ Sheets

Stain gels faster than conventional methods avoiding large amounts of liquid stain and waste disposal.

Protein InstaStain™ sheets stain gels faster than conventional methods. Protein InstaStain™ gives high quality and uniform gel staining with excellent results for photography. They are also environmentally friendly because they use a solid matrix, avoiding large amounts of liquid stain and waste disposal. Protein InstaStain can be used to stain the most common gels of various sizes (ranging from 8 × 8cm to 13 × 13cm)



ORDERING INFORMATION:

Dimension: 10 × 10cm

Cat. No.	Description	Price
S94633	Sufficient for 15 Gels	66.75/Ea

Edvotek™ Predigested DNA

Predigested DNA for classroom studies

- The sizes of the λ / EcoRI DNA fragments, in base pairs, are 21226, 7421, 5804, 5643, 4878, and 3530
- A sample volume of 20 µl is recommended for ethidium bromide or SYBR Safe staining and 35-40 µl is optimal for methylene blue staining
- Shortly before loading, heat the fragments at 65°C for 3 minutes and quickly chill on ice

INCLUDES:

20 µl for 20 gels



Cat. No.	Description	Price
S94624	Predigested DNA	38.50/Ea

Solutions to Take You Further, Faster

Shop products designed to help ensure reliable results through efficient research.

Description	Quantity	Cat. No.
Antibodies & Purification		
Invitrogen™ Molecular Probes™ Image-iT™ Fixation/Permeabilization Kit	Each	R37602
Invitrogen Dynabeads™ Protein A Immunoprecipitation Kit and Magnet Starter Pack	Each	10018D
Bacterial Culture		
Invitrogen Luria Broth Base, Powder	500g	12-795-027
Invitrogen LB Agar, Powder	500g	22-700-025
Invitrogen LB Broth Base	500g	12-780-052
Invitrogen Subcloning Efficiency™ DH5α™ Competent Cells	40 Reactions	18-265-017
Cell Counting		
Invitrogen Countess™ II Automated Cell Counter	Each	AMQAX1000
Invitrogen Chamber Slides for Countess™ Cell Counter	50 Slides	C10228
Gibco™ Trypan Blue Solution, 0.4%	100mL	15-250-061
Cell Culture Media & Additives		
Gibco DMEM/F-12, GlutaMAX™ Supplement	10 x 500mL	10-565-042
Gibco RPMI 1640 Medium, GlutaMAX Liquid Supplement	10 x 500mL	11-875-119
Gibco PBS Solution, 1X, pH 7.4	500mL	10-010-023
Gibco RPMI 1640 Medium (ATCC Modification), HEPES, Liquid	500mL	A1049101
Gibco Trypsin-EDTA (0.25%), Phenol Red	100mL	25-200-056
Gibco Penicillin-Streptomycin (10,000 U/mL)	100mL	15-140-122
Gibco Fungizone™ Antimycotic	20mL	15-290-018
Gibco One Shot™ Qualified Fetal Bovine Serum	50mL	A3160601
Electrophoresis & Stains		
Invitrogen E-Gel™ General Purpose Agarose Gels, 1.2%, 12 Wells	18 Gels	G501801
Invitrogen E-Gel Agarose Gels with SYBR Safe™ DNA Gel Stain, 1.2%, 12 Wells	18 Gels	G521801
Invitrogen 1 Kb Plus DNA Ladder, 100 to 1,500 bp	500 Applications	10-787-018
Invitrogen E-Gel Power Snap Electrophoresis Device Starter Kit, EX, 1%	Each	G8141ST
Invitrogen E-Gel Power Snap Electrophoresis Device	Each	G8100
Invitrogen Novex Tris-Glycine SDS Running Buffer (10X)	500mL	LC2675
Invitrogen SYBR™ Safe™ DNA Gel Stain	400µL	S33102
Invitrogen SYBR Green I Nucleic Acid Gel Stain, 10,000X Concentrate in DMSO	500µL	S7563
PCR		
Invitrogen PureLink™ Genomic DNA Mini Kit	50 Preps	K182001
Applied Biosystems™ TaqMan® Sample-to-SNP™ Kit	Each	44-033-13
Applied Biosystems™ Fast SYBR™ Green Master Mix	1 x 5mL	43-856-12
Applied Biosystems™ MicroAmp™ Optical 96-Well Reaction Plates	10 Plates	N8010560
Invitrogen UltraPure™ Salmon Sperm DNA Solution	5 x 1mL	15-632-011
Invitrogen UltraPure DNase- and RNase-Free Distilled Water	500mL	10-977-015
Transfection		
Invitrogen Lipofectamine™ 2000 Transfection Reagent	1.5mL	11-668-019
Invitrogen Lipofectamine 3000 Transfection Reagent	0.1mL	L3000001

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Immunology

LAB-AIDS™ Immunology and Evolution Experiments

Use immunology to study developmental evolution.

- Uses synthetic blood serums
- Determine the evolutionary closeness of organisms based on antigen-antibody analysis
- Class size: 30 students

INCLUDES:

- 12 Chemplates with spatula
- Three each of drop-controlled bottles of synthetic rabbit blood serum and synthetic human blood serum
- Two each of drop-controlled bottles of blood serum test I, II, III, IV, and V
- 30 Student worksheets and guides

Topics discussed:

- Immunological comparison (homology) used to classify organisms
- Relationships among organisms
- Common ancestry
- Techniques of blood immunology
- Identification of blood from unknown sources



Cat. No.	Description	Price
S19412	Immunology and Evolution Kit	92.00/Ea

LAB-AIDS™ Tracking the Spread of Infectious Diseases

The activity in this kit simulates the transmission of a contagious disease. Lab-Aids™ Tracking the Spread of Infectious Diseases simulates the steps epidemiologists take to try to determine its source and limit its spread.

Contagious diseases can spread quickly through a population. If an infected individual mingles with healthy individuals, random contact can cause many more to become infected. This activity simulates the transmission of a contagious disease and the steps epidemiologists take to try to determine its source and limit its spread. Two scenarios are provided, one for an infection spreading among humans and another among livestock. If desired, the kit materials also can be used to simulate different “trackable” spreading event scenarios such as an invasive species or an outbreak of food poisoning.

- Maximum 24 students
- 1-2 50 minute class periods
- Student worksheets incorporate literacy skills

Concepts Illustrated:

- Disease is a breakdown in structures or functions of an organism
- Scientific explanations emphasize evidence, have logically consistent arguments, and use scientific principles, models and theories
- Safe living involves the development and use of safety precautions and recognition of risk in personal decisions
- Important personal and social decisions are made based on perceptions of benefits and risks

INCLUDES:

Teacher's guide; 28 student worksheets and guides; 24 100mL plastic cups; 15mL drop control bottle of 2% sodium carbonate solution; 30mL drop control bottle of “Infection Test Solution”; Transparency: Class Infection History; SDS packet



Cat. No.	Description	Price
S20956	Tracking the Spread of Infectious Diseases Kit	37.25/Ea

Edvotek™ Antigen-Antibody Interaction: The Ouchterlony Procedure Kit

Introduce students to the principles of antigen-antibody interactions using the Ouchterlony procedure.

- Demonstrates a fundamental reaction of immunology — the binding interaction of an antibody to an antigen and its resulting precipitate, which makes it possible to assay
- No components have been prepared from human sources.

ORDERING INFORMATION: Class size: 10 lab groups.

INCLUDES:

- Separate samples containing animal anti-serum, animal serum, albumin antigen and IgG antigen
- Package of powdered buffer and package of UltraSpec-Agarose™
- Tube of practice loading solution
- 40 transfer pipets
- 40 Petri dishes
- 10 well cutters
- Template for cutting wells
- 40 microtest tubes

REQUIRES:

- Micropipet and tips
- Plastic container or glass baking dish
- Plastic wrap
- Distilled water
- Pipets, 5 or 10mL
- Marking pen
- Measuring spatula or toothpicks



- Hotplate, Bunsen burner or microwave
- Paper towels
- Water bath (55°C [131°F])

Cat. No.	Description	Price
S90246ND	Ouchterlony Procedure Kit	201.00/Ea

Edvotek™ Radial Immunodiffusion Kit

Introductory-level experiment quantitatively determines the unknown concentration of an antigen.

- Antibody is incorporated into liquefied agar and allowed to gel; antigen is introduced by circular wells
- Sensitive and quantitative
- No experiment components contain human serum.

INCLUDES:

- Antibody solution
- Standard antigen solution
- UltraSpec-Agarose™ powder and buffer powder
- Unknown concentration of antigen
- Sleeve of Petri dishes
- Two 10mL pipets
- 10 well cutters
- 80 transfer pipets
- 70 microtest tubes
- Graph paper template
- Practice loading solution

REQUIRES:

- Automatic micropipets and tips (5 to 50µL)
- Pipet pumps for 10mL pipets
- Ruler
- Plastic box or dish
- Plastic wrap
- Foil
- Paper towels
- Distilled water
- Hotplate, Bunsen burner or microwave
- 400 to 600mL beaker or Erlenmeyer flask
- 150mL beaker or flask



- Water bath (55°C [131°F])
- 250mL graduated cylinder
- 37°C (98.6°F) incubation oven

Cat. No.	Description	Price
S90248ND	Radial Immunodiffusion Kit	156.00/Ea

Edvotek™ Introduction to ELISA Reactions Kit

Teaches students the concepts of the Enzyme Linked Immunosorbent Assay (ELISA).

- Determine the reaction steps of ELISA — a precise and sensitive antibody-based detection method for antigens such as bacterial and viral proteins
- Perishable items shipped separately
- No components have been prepared from human sources.

INCLUDES:

- Antigens
- Primary antibody, Anti-IgG-peroxidase conjugate (secondary antibody)
- Stabilized hydrogen peroxide
- Peroxide co-substrate, ABTS substrate
- Phosphate buffered saline concentrate
- Two microtiter plates
- Transfer pipets Microtest tubes with attached caps, 15mL plastic tubes

REQUIRES:

- Distilled or deionized water
- Beakers
- 37°C incubation oven
- Disposable lab gloves
- Safety goggles
- Automatic micropipets (0 to 50µL) and tips recommended

ORDERING INFORMATION:

Class size: 10 lab groups.



Cat. No.	Description	Price
S90245ND	ELISA Reactions Kit	201.00/Ea

Edvotek™ Quantitative ELISA Laboratory Activity

Antibodies are highly specific in their recognition of antigens.

- ELISA experiment demonstrates the quantification of varying concentrations of viral antigens as detected by the intensity of the color reaction due to the accumulation of products
- Meets the requirements in the BSCS Blue Biology curriculum
- Complete in two hours

INCLUDES:

- Instructions
- Antigens
- Primary and secondary antibodies
- Substrate solution
- Phosphate buffered saline
- Blocking agent
- Stop solution
- Tubes
- Plates
- Transfer pipets



All You Need:

- distilled or deionized water
- 37° C incubation oven
- automatic micropipets with tips
- laboratory glassware

REQUIRES:

- Distilled or deionized water
- 37°C incubation oven
- Automatic micropipets with tips
- Laboratory glassware

ORDERING INFORMATION:

For six lab groups.

Cat. No.	Description	Price
S05654	Quantitative ELISA Laboratory Activity	156.00/Ea

Edvotek™ AIDS Kit II: Simulation of HIV Detection by Western Blot

Provides a comprehensive introduction to the molecular biology and pathogenesis of AIDS.

- Separate protein samples using horizontal agarose electrophoresis
- Samples are transferred to a membrane and detected by staining
- Demonstrate the concepts and methodology involved with Western blots

Instructor's Guide provides:

- Pre-lab preparations and common pitfalls to avoid
- Answers to study questions and MSDS sheets
- Does not contain HIV or its derivatives. No components have been prepared from human sources.

INCLUDES:

instructions, samples, standard molecular weight markers, protein agarose, various buffers and reagents, PVDF membrane, filter paper, stain, 1mL pipet, 100mL graduated cylinder

REQUIRES:

- Horizontal gel electrophoresis apparatus
- Hotplate, micropipets, incubation oven and shaker platform
- All necessary safety equipment
- Isopropanol, glacial acetic acid and distilled water



Cat. No.	Description	Price
S66751	HIV Detection By Western Blot	156.00/Ea

PCR

Edvotek™ What Is PCR and How Does It Work?

Demonstrates the process of DNA amplification by PCR.

- Polymerase Chain Reaction (PCR) has played an important role in the advancement of molecular biology and the enhancement of DNA isolation, detection and amplification
- Simulation demonstrates the process of DNA amplification by PCR and how the amplified product is detected by separating the reaction mixture by agarose gel electrophoresis



ORDERING INFORMATION:

Class size: 10 groups.

INCLUDES:

- Dye samples
- Practice gel-loading solution
- UltraSpec-Agarose™ powder
- Concentrated electrophoresis buffer
- Transfer pipets
- Instructions and study questions

REQUIRES:

- Horizontal gel electrophoresis apparatus
- DC power supply
- Microwave, hotplate or burner

Cat. No.	Description	Price
S66633	What Is PCR	72.00/Ea

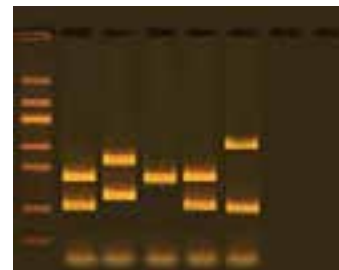
Edvotek™ PCR-Based DNA Typing

DNA typing adapted from FBI technology.

Safe experiment for classroom use to demonstrate DNA fingerprinting.

Alu-Human DNA Typing (S66823)

- Examine students' DNA for an Alu element on Chromosome 16
- Investigate DNA patterns
- Compare Alu genotypes with those of their classmates



VNTR Human DNA Typing (S66824)

- Use PCR to fingerprint students' DNA at the D1S80 locus on Chromosome 1
- Provide an example of the variable number of tandem repeat (VNTR) polymorphism

INCLUDES:

Supplies for 25 individual reactions and six gels, complete instructions, background information and study questions

REQUIRES:

- Thermal cycler
- Horizontal gel electrophoresis apparatus
- Microcentrifuge
- Automatic micropipets
- UV transilluminator
- 500mL flasks
- Glassware
- All necessary safety equipment
- Ice
- Ice bucket
- Distilled or deionized water

Cat. No.	Description	Price
S66823	Alu-Human DNA Typing	263.00/Ea
S66824	VNTR Human DNA Typing	263.00/Ea

Edvotek™ PCR Beads

Provide the reagents for Polymerase Chain Reactions (PCR) in a convenient, ambient-temperature-stable bead.

- Beads for 25 reactions optimized for PCR; each bead contains *Taq* DNA polymerase, *Taq* DNA polymerase buffer, dNTP mixture and $MgCl_2$
- The only reagents that must be added to the reaction are template DNA and specific primers



INCLUDES:

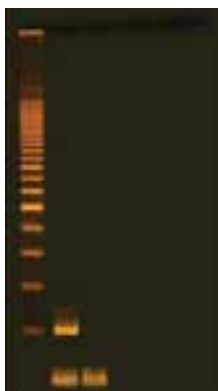
Beads for 25 reactions

Cat. No.	Description	Price
S96380	PCR Beads	65.25/Ea

Edvotek™ Identification of Genetically Modified Foods Using PCR

Certain foodstuffs, such as tofu and soy milk, contain raw materials from genetically modified organisms (GMOs).

Some foods contain raw materials from genetically modified organisms (GMO). Examples include tofu, corn flakes and corn meal. In this experiment, your students will extract DNA from food or plant material and perform PCR to determine if any GM indicator genes are present. Amplified DNA is separated and sized by agarose gel electrophoresis.



ORDERING INFORMATION:

Class size: 10 groups.

INCLUDES:

Instructions, PCR EdvoBeads™, Universal DNA Buffer, TE Buffer, LyphoPrimer™ Mix, GMO Positive LyphoControl™, NaCl Solution, DNA Extraction Buffer, 100 base pair ladder, Proteinase K, UltraSpec-Agarose™, TBE Electrophoresis Buffer Powder, SYBR™ Safe Stain, 0.2mL PCR Tubes, Plastic Micropestles, Transfer Pipets, and Snap-top Microcentrifuge Tubes

REQUIRES:

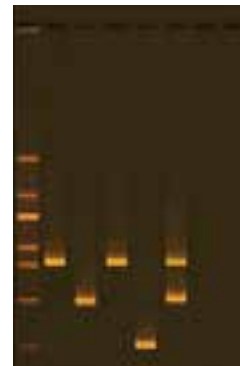
- Thermal cycler or three water baths
- Horizontal gel apparatus
- DC power supply
- Microcentrifuge
- Balance
- Microwave oven or hotplate
- UV transilluminator
- Pipetter

Cat. No.	Description	Price
S68638	PCR-based Identification of Foodstuffs from Genetically Modified Organisms Kit	256.00/Ea

Edvotek™ DNA Fingerprinting Using PCR

Advanced experiments demonstrate PCR amplifications with easy-to-follow procedures.

- Crime scene scenarios enable independent investigation of how Polymerase Chain Reaction (PCR) amplifications are used in DNA fingerprinting
- Set of plasmids contains specifically designed DNA fragments
- PCR amplification products obtained from the plasmids represent individual DNA profiles
- Contains three advanced PCR experiments, each for 10 gels



ORDERING INFORMATION:

Class size: 20 to 30 students in groups of two or three.

INCLUDES:

Instructions, PCR EdvoBeads™, Primer Mix Concentrate, EdvoQuick™ DNA Ladder, DNA Templates, TE Buffer, UltraSpec-Agarose™, Electrophoresis Buffer (50X), 10X Gel Loading Solution, InstaStain™ Ethidium Bromide, FlashBlue™ DNA Stain, Microcentrifuge & PCR Tubes, & Wax Beads

Cat. No.	Description	Price
S94592	PCR-based DNA Fingerprinting Experiment	242.00/Ea

Edvotek™ EdvoCycler™ Jr.

EdvoCycler™ Jr. offers superior performance and ease-of-use in a sleek form factor with a vivid touchscreen display.

- Easy to use and program
- Holds 16 × 0.2mL PCR Samples and 8-Tube Strip Compatible
- 7 inch HD Color Touchscreen Displays Real-Time Cycling Data
- Edvotek PCR Programs Included + Storage for 100 More
- Standalone Machine - No PC or Smartphone Required
- High Precision Algorithm Yields Superior Results
- Heated Lid Prevents Sample Evaporation
- Active Cooling to 4°C
- Instant Incubate Function
- Temperature Range: 4 to 99°C
- Maximum Ramp Rate: 4°C
- 2 Year Warranty
- Made in USA



Cat. No.	Description	Price
S72162	EdvoCycler Jr.	672.00/Ea

Edvotek™ EdvoCycler™ 2

Affordable PCR for the classroom without compromise.

The sequel to the bestselling EdvoCycler™ has been fully re-imagined to offer the classroom advanced PCR functionality at the lowest sample price. At 48 wells, the Edvocycler™ 2 doubles the capacity of the original machine and offers faster performance and ease-of-use in a sleek new form factor with a vivid touchscreen display. Proudly made in the USA and backed by a 2 year warranty!



- 0.2mL block for 25-tube capacity

ORDERING INFORMATION:

L x W x H: 16 x 8.5 x 7 in. (40.6 x 21.6 x 17.8cm).
Made in USA

INCLUDES:

Easy to use and program Holds 48 x 0.2mL PCR samples & 8-tube strip compatible Vivid 7" full color touchscreen displays real-time cycling data Edvotek PCR programs included + storage for 100 more Standalone Machine - No PC or Smartphone Required! Heated lid prevents sample evaporation Instant incubate function Active cooling to 4°C Temperature Range: 4-99° C Maximum Ramp Rate: 4°C 2 Year Warranty; Extended Warranty Available Made in the USA

WARRANTY:

Two years

Cat. No.	Description	Price
S68640	EdvoCycler 2	2072.00/Ea

Edvotek™ MegaCycler™ Thermal Cycler

Nearly twice the sample capacity as the EdvoCycler™.

Holds 49 x 0.2mL PCR samples.

- Stand-alone machine — no PC required
- Heated oil-free lid with magnetic latch
- Preprogrammed with Edvotek PCR protocols
- Vivid seven-line LCD display with live program information
- Temperature range: 4° to 99°C (39° to 210°F)
- Maximum ramp rate: 3°C/sec.



ORDERING INFORMATION:

L x W x H: 16 x 8.5 x 7 in. (40.6 x 21.6 x 17.8cm).

Cat. No.	Description	Price
S05665	MegaCycler	2951.00/Ea

Optimizer PCR Workstation with Stainless Steel Work Surface

Specially designed to protect against PCR reaction contamination.



- Prior UV irradiation protects against cross or airborne contamination in DNA sequencing and limits exposure to open-lab environment
- Ample interior work space for PCR reaction supplies and equipment
- Stainless-steel work surface and ceiling angle reflector for UV reflection
- Hinged safety glass door for easy access and cleaning
- Country-specific electrical outlet and two fluorescent lamps mounted in ceiling for work space visibility
- 254nm UV germicidal lamp (with single or dual bulb) for increased UV dose with 12-hour countdown timer
- Stainless Steel working surface angle reflector, hinged Glass door, single panel closer, 2 fluorescent lamps, electric outlet, single bulb UV light with 12 hour timer, 110V duplex outlet
- Single or double access panel closure that closes during UV irradiation and slides into storage compartment during experiments
- Available in three sizes
- 24D x 24 in.H
- For 110V

Cat. No.	Width (English)	Price
S07075	30 in.	3049.00/Ea
S07076	30 in.	2914.00/Ea
S07077	36 in.	3639.00/Ea
S07078	36 in.	3504.00/Ea
S07079	48 in.	3362.00/Ea
S07080	48 in.	4365.00/Ea



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Advanced Placement	165–169	Alternative Energy	238–240
Chemicals	170–210	Physics	241–255
Earth and Space	212–222	Mechanics.....	241–245
Geology.....	212–215	Volume and Density	245–246
Geography.....	216–217	Heat and Thermodynamics.....	246–247
Meteorology	217–218	Waves, Sound, and Light.....	247–250
Astronomy.....	219–222	Electricity and Magnetism.....	250–255

KEMTEC



Innovative, Ready-to-Use Educational Kits

Kemtec™ kits excite, encourage, and inspire your students with hands-on learning experiences that complement your existing curriculum.

S07348 \$116.00

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NEW Featured Products



14 Activities and 4 Demonstrations

Introduce students to properties of light through experimentation and exploration.

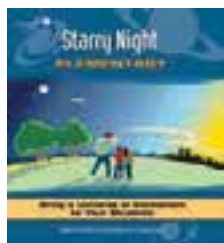
Description	Cat. No.	Price
Kemtec™ Light and Color Kit	S30805	\$260.00



Informative and Interactive

Learn about the world through facts, games, and more.

Description	Cat. No.	Price
Reprogle Globes™ Interactive Globe	S38978	\$107.00



Opportunities to Learn

Find astronomy curriculum that's appropriate for your classroom.

Description	Cat. No.	Price
Simulation Curriculum™ Elementary Astronomy	S80706	\$300.00
Simulation Curriculum Middle School Astronomy	S80707	\$500.00
Simulation Curriculum High School Astronomy	S80708	\$500.00
Simulation Curriculum AP/College Astronomy	S80709	\$500.00
Simulation Curriculum Geology/Meteorology	S80710	\$500.00
Simulation Curriculum Physical Geography	S80711	\$500.00
Simulation Curriculum AP/College Geology	S80712	\$500.00



Examine Structure and Function

Discover the adaptability of fish in a variety of ecosystems.

Description	Cat. No.	Price
Kemtec™ The Fish Factory Kit	S30819	\$135.00
Kemtec Environmental Extremes Plant Growth Kit	S02640	\$702.00
Kemtec Environmental Extremes Plus Kit	S30829	\$749.00
Kemtec Oil Spill Management Kit	S02643	\$734.00
Kemtec Oil Spill Junior Kit	S30831	\$154.00



See Physics in Action

Study different forms of potential and kinetic energy.

Description	Cat. No.	Price
Eisco™ Garage Physics Roller Coaster Kit	S88361	\$42.50
Eisco High-Power Catapult Kit	S88362	\$38.75
Eisco Garage Physics Ballista	S88360	\$31.25
Eisco Garage Physics Murlin Trebuchet Kit	S88359	\$51.25
Eisco Leonardo Da Vinci Bridge Kit	S88363	\$42.50

Chemistry

General Chemistry

Kemtec™ Elements, Compounds and Mixtures I Kit

Introduce students to various concepts of elements, compounds, and mixtures.

- Special emphasis on separating mixtures by filtration and differences in solubility, chromatography and evaporation
- Separate two mixtures by filtration and differences in solubility
- Separate one mixture using paper chromatography
- Separate two mixtures by evaporation
- Isolate component colors from a chromatogram to examine individual components
- Includes all required chemicals, vocabulary exercise, reproducible worksheets and procedures
- Grades 7-10
- Class size: 24 students

INCLUDES:

Filter paper, chromatography paper, black ink, copper sulfate, sodium chloride, copper carbonate, sulfur powder, instructor manual, SDS.

**REQUIRES:**

Goggles, balance.

Cat. No.	Description	Price
S06453	Elements, Compounds & Mixtures I	102.00/Ea

Kemtec™ Chemistry Kit: Chemical Formulas I

Experimentally determine the correct chemical formulas for various compounds.

- Students combine chemicals in various ratios and observe the combination that produces the greatest amount of precipitate
- Use the ratio of the combination to determine chemical formulas of newly formed substances
- Includes all required chemicals, vocabulary, chemical formula writing and naming worksheets, data sheets, reproducible procedures, and answer keys
- Grades 7-12
- Class size: 24 students

INCLUDES:

Plastic bottles with dropper caps, calcium chloride solution, sodium carbonate solution, copper sulfate solution, sodium hydroxide solution, instructor manual, methods of assessment manual, special needs guide, SDS

**REQUIRES:**

Goggles, test tubes, and test tube racks

Cat. No.	Description	Price
S06745	Chemical Formulas I Kit	87.00/Ea

LAB-AIDS™ Determination of Chemical Formulas Kit

Relate chemical formulas to actual substances.

- Use a chemical analysis method to determine percent composition and molecular weight
- For ionic substances, determine the relative number of each of the ions in its composition
- Predict the various formulas of compounds formed by their reactions
- Turn abstract theory into realism
- An excellent companion to Families of Elements Experiment Kit (S19456)

ORDERING INFORMATION:

Class size: 50 students.

**INCLUDES:**

12 Chemplates™ with spatula; 12 drop-controlled bottles of: Lead Nitrate solution (6), Sodium Oxalate solution (3), and Potassium Iodide solution (3); 50 student worksheets and guides; and instruction manual with SDS

Cat. No.	Description	Price
S19428	Determination of Chemical Formulas Kit	99.00/Ea

Kemtec™ Chemistry Kit: Chemical Properties

Students test chemical properties of seven different solutions in every possible combination.

- Students identify chemical properties by observing reaction of seven test solutions with other solutions
- Evidence of chemical reactions include gas production, color changes and formation of precipitates
- Students use what they learn about chemical properties to identify four unknown solutions
- Includes all required chemicals, reaction plates, reproducible worksheets and student procedures
- Grades 9-12
- Class size: 24 students



INCLUDES:

Copper Sulfate solution, Hydrochloric Acid solution, Sodium Hydroxide, Acetic Acid, Ammonium Hydroxide, Sodium Carbonate, Sodium Bicarbonate, Unknown A, Unknown B, Unknown C, Unknown D, instructor manual, special needs guide, methods of assessment manual, SDS

REQUIRES:

Goggles

Cat. No.	Description	Price
S06744	Chemical Properties Kit	187.00/Ea

Kemtec™ Chemistry Kit: Characteristics of Matter

Explore various physical and chemical properties of matter.

- Students can observe chemical properties of five solutions by observing their reactions with other solutions
- Then determine names of two unknown solutions
- Ten experiments to explore various characteristics of matter: color, odor, solubility, shape, size, texture, density, alkalinity, acidity, states of matter, boiling point and melting point (graphing of melting and boiling points)
- Grades 5-9
- Class size: 24 students



INCLUDES:

Spot plates, wood stirrers, thermometers, 0.5 oz. plastic bottles with droppers and caps, blue and red litmus, pipets, ammonia solution, baking soda solution, calcium chloride solution, vinegar, washing soda solution, calcium chloride solution, calcium carbonate, sodium chloride, sucrose, sand, instructor manual, special needs guide, methods of assessment manual, SDS

REQUIRES:

Personal Protective Equipment, balance, glassware and ice.

Cat. No.	Description	Price
S06736	Characteristics of Matter	195.00/Ea

Kemtec™ Stoichiometry Module

Explore types of chemical reactions, mole ratios and stoichiometric equivalents which are central to all chemical calculations.

Kit includes all required chemicals and supplies for performing experiments on a micro scale.

- Students perform series of experiments including electrochemistry decomposition reaction, single replacement reactions and double replacement reactions
- Students are encouraged to predict possible products, as well as write and balance reaction equations
- Students discover quantitative nature of chemical equations and experimental basis of balancing numerical coefficients
- Includes lab quiz
- Grades 9-12
- Class size: 24 students

Contains lead.

REQUIRES:

Goggles and 9V batteries with clips and leads

Cat. No.	Description	Price
S193837	Stoichiometry Module	432.00/Ea

INCLUDES:

- Instructor Manual
- Student Manuals
- SDS
- Lab Quiz Sheets
- Toothpicks
- Pipettes
- Pencil Lead
- Forceps
- Empty Bottles with Caps
- Cotton String
- Microplates (24 Well)
- Microplates (96 Well)
- Copper Nitrate
- Nickel Nitrate
- Lead Nitrate
- Cobalt Nitrate
- Nitric Acid
- Aluminum Nitrate
- Iron Nitrate
- Sodium Carbonate
- Sodium Sulfate
- Sodium Chloride
- EDTA
- Sodium Iodide
- Sodium Thiocyanate
- Sodium Chromate
- Sodium Dichromate
- Sodium Hydroxide
- Calcium Nitrate
- Sodium Oxalate
- Copper Sulfate
- Hydrochloric Acid
- Nitric Acid
- Sulfuric Acid



LAB-AIDS™ Identification of Chemical Reactions Kit

Students determine the unknown with deductive reasoning.

- In this experiment, students mix seven known solutions into 21 possible combinations, resulting in color changes, precipitates or gas generation

ORDERING INFORMATION:

Class size: 50 students.

INCLUDES:

12 Chemplates™ with spatula; drop-controlled bottles, Hydrochloric Acid, Sodium Carbonate, Sodium Hydroxide, Potassium Chromate, Calcium Chloride, Sodium Sulfite, Copper Sulfate and an unknown solution; worksheets and guides; and instructions with SDS



Cat. No.	Description	Price
S19421	Identification Of Chemical Reactions	122.00/Ea

Kemtec™ Chemistry Kit: Ionic Interaction

Introduce junior high and high school students to writing ionic formulas and ionic interaction equations.

This kit provides an introduction to ionic interactions by giving students exposure to a large number of reactions, allowing maximal observation for a limited amount of time and effort.

- Includes precipitate forming, gas forming and non-ionized product forming reactions
- Relate placement of elements in periodic table to their reactivity
- Extend to write ionic formulas for products formed and ionic interaction equations
- Develop solubility principles from empirical evidence
- Ideal for high school chemistry or physical sciences studies
- Grades 9-12
- Class size: 24 students

REQUIRES:

Goggles



INCLUDES:

Depression plates, plastic toothpicks, Calcium Nitrate, Potassium Sulfate, Cadmium Nitrate, Sodium Silicate, Cobalt Nitrate, Potassium Oxalate, Barium Nitrate, Potassium Phosphate, Cupric Chloride, Potassium Chromate, Potassium Iodide, Acetic Acid, Manganese Nitrate, Potassium Hexacyanoferrate (iii) (ferricyanide), Nickel Nitrate, Potassium Hexacyanoferrate (ii) (ferrocyanide), Strontium Nitrate, Silver Nitrate, Lead Nitrate, Ferric Nitrate, Zinc Nitrate, Chromium Nitrate, Aluminum Nitrate, Potassium Bromide, Potassium Hydroxide, Potassium Chloride, Potassium Carbonate, instructor's manual with reproducible student sheet, SDS

Cat. No.	Description	Price
S06751	Ionic Interactions Kit	230.00/Ea

LAB-AIDS™ Flame Tests and Emission Spectroscopy Kit

The entire concept of spectrum analysis introduced in one kit.

- Spray a fine mist of safe, water-based solutions of various salts into a Bunsen burner flame and observe what happens
- Learn why no two spectra have an identical color
- An important step in the analysis of an unknown substance
- Flame tests are observed unaided and with a hand-held spectroscope (included)
- Students work in teams

REQUIRES:

Bunsen burners and Personal Protective Equipment



Cat. No.	Description	Price
S19457	Flame Tests Emission Spectroscopy Kit	120.00/Ea

Eutectic Alloys Chemistry Demo Kit

Form a metal alloy as bismuth and tin are heated to the eutectic point of the two metals which is lower than the melting point of either metal.

INCLUDES:

1 × 100mL Glycerin (Glycerol), 1 × 50g Bismuth Metal Lumps, 1 × 15g Tin Metal Mossy



Cat. No.	Description	Price
S37749	Eutectic Alloys Demo Kit	20.50/Ea

Formation of Tin Wool Chemistry Demo Kit

Single replacement reaction in which zinc metal dissolves in solution and tin metal is formed.

INCLUDES:

Tin (II) Chloride, 1.0 Solution UN1760 and 1 × 140g Zinc Metal Mossy



Cat. No.	Description	Price
S37753	Formation of Tin Wool Chemistry Demo Kit	46.25/Ea

Up in Vapor! Hydrogen Peroxide Decomposition Demo Kit

Shows decomposition of chemical hydrogen peroxide using sodium iodide.

INCLUDES:

1 × 350mL Hydrogen Peroxide (30%) and 7 × 4g Sodium Iodide



Cat. No.	Description	Price
S37754	Up in Vapor! Hydrogen Peroxide Decomposition Demo Kit	25.50/Ea

Elephant Toothpaste

A visually stimulating classroom demonstration. Elephant Toothpaste shows the effects of a catalyst on a chemical reaction.



Discussion topics can include basic chemical reactions, phase changes and catalysts.

Kit Includes:

- 1 Clear bottle
- 5 5 oz. Plastic cups
- 5g Yeast
- 150mL Hydrogen peroxide
- 30mL Dish Soap
- 5 Stir sticks

Cat. No.	Description	Price
S42857	Elephant Toothpaste	16.75/Ea

Polyurethane Foam Chemical Kit

Excellent demonstration of thermoplastic polymers.

Produce polyurethane foam with the condensation reaction of a polyisocyanate and a hydroxyl-containing material (i.e., a polyol derived from propylene oxide).

- Mix two viscous liquids to initiate a reaction
- Lightweight foam expands to 30 times the original volume of the liquids
- After about 10 minutes, the foam hardens

Perform in a fume hood and wear chemical splash goggles, apron and gloves as the chemical components are eye and skin irritants.

INCLUDES:

Two premixed chemicals and instructions

REQUIRES:

Plastic or paper cups, goggles, aprons, gloves and fume hood.



Cat. No.	Description	Price
S73009	Polyurethane Foam Chemical Kit	48.00/Ea

Nylon Rope Trick

Demonstrate polymerization at a liquid-liquid interface.

- Observe the synthesis of Nylon 610 at the interface of two immiscible liquids
- Rope can be wound around a stirring rod as the reactants continue to polymerize
- Total demonstration time: 20 minutes
- Enough materials for five demonstrations



INCLUDES:

Two ready-to-use solutions

REQUIRES:

Personal Protective Equipment, 250mL beaker, forceps and stirring rod

Cat. No.	Description	Price
S76784A**	Nylon Rope Trick	26.50/Ea

AquaPhoenix Scientific Globally Harmonized System Warning Pictogram Poster

Explains the nine Physical, Health and Environmental Hazard pictograms as part of the GHS system of classification/labelling of chemicals.



- Features the nine pictograms of the GHS system of classification/labelling of chemicals
- Heavy glossy paper stock
- Size: 24 × 36 in.

Cat. No.	Description	Price
S08085	GHS Poster	15.25/Ea

Fisher Science Education™ Periodic Table of Elements Poster

Offers a large format and easy-to-use display.

- Printed on 10mL indoor/outdoor poster stock material
- Corner grommets for easy display
- Large 48 × 84 in. display
- Tear resistant



Cat. No.	Description	Price
S07899	Periodic Table of Elements Poster	233.00/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Periodic Table Pen



Cat. No.	Description	Price
S05880	Periodic Table Pen	7.00/Ea

Edvotek™ Principles of Gel Filtration Chromatography

Teach the principles of gel filtration chromatography to your class.

- Demonstrates how dyes of different colors separate on the basis of their size and shape
- Columns may be rinsed and reused
- Requires Personal Protective Equipment, 50 or 100mL beakers, 25mL beaker or test tube and ring stands with clamps



INCLUDES:

Instructions, sample mixture, chromatography columns, dry matrix, elution buffer, transfer pipets, microtest tubes

Cat. No.	Description	Price
S11108	For 10 Separations	122.00/Ea

Silica Gel 60 F₂₅₄ Coated Plastic-Backed TLC Sheets

Allows analyzation of any substance when combined with suitable mobile phase.

- Combination of unmodified silica gel 60 and polymeric binder for hard and adherent surface, resistant to crack and damage
- Dense plate coating ensuring narrow bands and maximum sample separation efficiency
- Layer thickness of 200µm with mean particle size of 10 to 12µm
- Can be cut with scissors for individual separation requirements
- Green fluorescing
- Inorganic fluorescent indications for UV detection of colorless substance
- Disposable
- Fiber case packaging
- In-process control in drug synthesis
- Identity and stability testing of drugs
- Quality control of pharmaceuticals, food and environmental samples
- Residue analysis in food and environmental samples



Cat. No.	Description	Price
S07879	20 × 20cm; 25 Sheets	209.00/Ea

Chromatographic Paper

No. 1 paper can be used for one- and two-dimensional work.

- Smooth surface
- Thickness: 0.07 in. (0.18mm)
- Medium flowrate
- Good resolution
- Suitable for general analytical separations



Cat. No.	Length (Metric)	Format	Width (English)	Width (Metric)	Price
S47087	100 m	Roll	0.78 in.	2cm	44.50/Ea

United Scientific™ Cobalt Glass Plates

Used in flame tests to block orange color when performing sodium and potassium salt flame tests.

- Color: Dark blue
- Available in three different sizes
- 5.08 × 5.08cm (2 × 2 in.)



Cat. No.	Description	Price
S13136	Cobalt Glass Plates	17.75/Ea

LAB-AIDS™ Design-Your-Own Custom Molecular Model Kit

Challenge students to create molecular models with this complete assortment of color-coded atoms and bonds.

- Atoms molded of high-impact polystyrene and polypropylene
- Flexible vinyl connectors represent the bonds
- Double and triple bonds are easily constructed and come apart only when intended



INCLUDES:

Atoms (490) and bonds (300)

Cat. No.	Description	Price
S19491	Design Your Own Molecular Model Kit	102.00/Ea

3B Scientific™ Inorganic/Organic Student Set

Teaching tool designed for school, college or self study (private) chemistry courses.



- Model for organic structures and inorganic molecules with empirical formula representations, for example carbon dioxide, ammonia, sulphuric acid, calcium hydroxide, metal salts, copper sulphate, alkanes, alcohols, glucose and benzene
- Used to represent any element having one sp^3 , one dsp^3 and one d^2sp^3 in addition to existing element hybridizations done by three brown atoms
- Molecular model easily assembled and reassembled
- Links provided to make single, double, and triple bonds for OPEN and short links for CLOSED models

INCLUDES:

51 atom-parts, 6 Carbon 4-holes tetra, black, 6 Oxygen, 2-holes ang., red, 14 Hydrogen, 1-hole, white, 3 Nitrogen, 2 tetra, 1 tribipyr., blue, 3 Sulphur, 1 ang., 1 tetra, 1 octa, yellow, 1 Phosphorus, 4-holes, purple, 6 Halogen, 1-hole green, 3 Metal, 1-hole, 17mm, grey, 6 Metal, 3 ang., 2 pyr., 1 tetra, grey, 3 Brown, 1 sp^3 , 1 dsp^3 , 1 d^2sp^3 26 links, grey, medium ML-12 12 links, grey, flexible long ML-13

Cat. No.	Description	Price
S07017	Inorganic/Organic Student Set	32.75/Ea



Eisco Student Basic Organic Chemistry Molecular Model Sets

Let students visualize three-dimensional molecular structures and understand molecular formulas.

- Hard plastic balls of different colors represent atoms
- Each has holes at correct angles to be connected with flexible plastic “bonds”
- Medium links represent single covalent bonds while long links can be used for double and triple covalent bonds



114-Piece Set

- 12 Black carbon (4 holes)
- 20 White hydrogen (1 hole)
- Six red oxygen (2 holes)
- Four blue nitrogen (4 holes)
- Two yellow sulphur (6 holes; 1 hole)
- One purple phosphorus (4 holes)
- One gray metal (1 hole)
- 28mm Gray links (26)
- 43mm Gray links (12)
- 28mm White links (26)
- Assembly tool

54-Piece Set

- 14 White hydrogen (1 hole)
- Six black carbon (4 holes)
- Two blue nitrogen (4 holes)
- Six red oxygen (2 holes)
- Two green halogen (1 hole)
- 28mm Gray links (20)
- 43mm Gray links (4)

Cat. No.	Description	Price
S96538	54 Piece Molecular Model Set	33.00/Ea
S96539	114 Piece Molecular Model Set	45.00/Ea

LAB-AIDS™ Molecules of Life Kit

Eight great model-building activities.

Construct models of many common molecules. The kit's molecular components are reusable and provide an easy way to study isomerism.



Construct:

- Water
- Three monosaccharides
- Part of a starch molecule
- Models of amino acids

ORDERING INFORMATION:

Class size: 30 students (15 teams).

INCLUDES:

- Worksheets
- 1800 color-coded plastic atoms

Cat. No.	Description	Price
S19486	Molecules Of Life	154.00/Ea

Large Molecular Model Set

For middle school through high school chemistry courses in which students learn about inorganic and organic molecules, as well as crystal molecules like graphite and diamond.

- The springs easily allow demonstrations of single bonds, double bonds and triple bonds
- Ball and spoke molecular model set includes 176 plastic spheres, 225 rigid plastic connector tubes and 10 flexible tubes
- Spheres are 30mm in diameter, except for hydrogen, which are 23mm in diameter
- Holes on the molecules are properly placed to make realistic figures



INCLUDES:

Plastic storage case

Cat. No.	Description	Price
S06695	Large Molecular Model Set	86.00/Ea

Eisco Student Organic and Inorganic Chemistry Molecular Model Sets

Lets students visualize three-dimensional molecular structures and understand molecular formulas

Hard plastic pails of different colors represent atoms; each has holes at correct angles to be connected with flexible plastic “bonds.” Medium links represent single covalent bonds while long links can be used for double and triple covalent bonds.



Includes:

- Six black carbon (4 holes)
- 14 White hydrogen (1 hole)
- Two blue nitrogen (4 holes)
- One blue nitrogen (5 holes)
- Six red oxygen (2 holes)
- Three yellow sulfur (one each: 2 holes, 4 holes, and 6 holes)
- One purple phosphorus (5 holes)
- Six green halogen (1 hole)
- Three gray metal (1 hole)
- Three gray metal (2 holes)
- Two gray metal (3 holes)
- One gray metal (4 holes)
- One brown sp^3 (4 holes)
- One brown dsp^3 (5 holes)
- One brown d^2sp^3 (6 holes)
- 28mm Gray links (20)
- 43mm Gray links (10)
- 28mm Purple links (5)
- Instruction manual

Cat. No.	Description	Price
S96540	Organic and Inorganic Chemistry Molecular Model Set	50.25/Ea

Eisco Student Basic Organic Chemistry Molecular Model Sets

Lets students visualize three-dimensional molecular structures and understand molecular formulas

Hard plastic pails of different colors represent atoms; each has holes at correct angles to be connected with flexible plastic "bonds." Medium links represent single covalent bonds while long links can be used for double and triple covalent bonds.



- 12 Gray metal (2 holes)
- 10 Gray metal (3 holes)
- 10 Gray metal (6 holes)
- 42 Red oxygen (2 holes)
- 12 Red oxygen (4 holes)
- 18 Red oxygen (1 holes)
- 12 Yellow sulfur (4 holes)
- 15 Blue nitrogen (3 holes)
- 45 Black carbon (4 holes)
- 12 Purple phosphorus (4 holes)
- Six purple phosphorus (3 holes)
- 36 White hydrogen (1 hole)
- 170 Medium gray links
- 100 Long gray links

Cat. No.	Description	Price
S96541	Basic Organic Chemistry Molecular Model Set	106.00/Ea

Molecular Model Organic Structure Set

Organic structure model set allows you to clearly illustrate the significance of chemical formulas.

- Allow students to visualize the three-dimensional nature of a molecule
- Basic Set demonstrates organic structure
- Advanced Set demonstrates organic, inorganic, and molecular structure



Molecular model sets include balls, **1.25 in. dia. balls:** 10 - black/Carbon tetrahedral (4 holes), 2 - Blue/Nitrogen (3 holes); **1.125 in. dia. balls:** 28 - yellow/Hydrogen (1 hole), 6 - red/Oxygen (2 holes), 4 - green/Chlorine (1 hole), 2 - orange/Bromine (1 hole), 2 - Purple/Iodine or Fluorine; **Bonds:** 30 - 1.25 in. wooden pegs, 10 - 2.125 in. pegs, 10 - 2 in. springs.; springs; and detailed instructions.

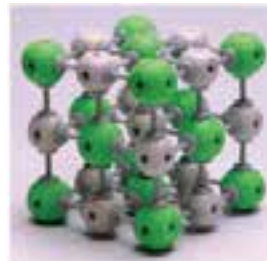
Replacement bond set includes 1.25 in. (3.18cm), wooden pegs (30), 2 in. (5.1cm) wooden pegs (10), and 2.13 in. (6.5cm) springs (10). Replacement ball sets include balls only.

Cat. No.	Description	Price
S44052	Molecular Model Set	42.00/Ea

Eisco Crystal Lattice Models

Lattices represent classic crystal structures.

- Sodium Chloride: Connectors (54), black jacks (13) and red jacks (14)
- Graphite: Connectors (69), long black connectors (8), black jacks (45) and red jacks (12)
- Diamond: Connectors (84) and jacks (57)



INCLUDES:

Assembly instructions

Cat. No.	Dimensions (L x W x H)	Weight (English)	Price
S96543	7.08 x 5.9 x 1.96 in. (18 x 15 x 5cm)	0.74 lb.	28.00/Ea
S96544	7.08 x 5.51 x 1.57 in. (18 x 14 x 4cm)	0.66 lb.	20.75/Ea
S96542	7.08 x 5.51 x 1.57 in. (18 x 14 x 4cm)	0.7 lb.	20.75/Ea

Eisco Organic Chemistry Sets (BU)



10 BU Organic Chemistry Set

All 22 items use 10/19 ST ground joints. Over 20 standard assemblies can be constructed

- Designed for starting material up to 15 g
- Packed in die-cut foam lined box, great for storage



10 BU set includes:

- 1 Liebig condenser
- 1 Dropping funnel, 20mL
- 1 pear shape flask, 25mL
- 1 Three neck flask, 25mL
- 3 Round bottom flasks 5mL
- 1 Air leak / steam inlet
- 1 Thermometer -10°C to 250°C
- 1 Dropping pipette
- 1 Rubber teat
- 1 Receiver adapter
- 2 Stoppers
- 1 Still head
- 1 Air condenser
- 1 Filter funnel
- 1 Receiver tube
- 1 Willstätter nail
- 1 Gas inlet tube
- 1 Drying tube
- 1 Stirrer

29 BU Organic Chemistry Set

- Contains 6 items, all with 14/23 ground joint for maximum versatility
- Packed in die-cut foam lined box, great for storage

29 BU set includes:

- 1 Pear shaped flask, 50mL
- 1 Still head
- 1 Liebig condenser
- 1 Screwcap adapter
- 1 Receiver adapter
- 1 Stopper

DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29500	10 BU Organic Chemistry Set	134.00/Ea
S29501	29 BU Organic Chemistry Set	57.50/Ea

Eisco Organic Chemistry Sets (27 BU/M and X/M) NEW

All items with 14/23 ground joint for maximum versatility

- Packaged in die-cut foam lined box, great for storage

27 BU/M set includes the following:

- 1 Flask, pear shaped, 50mL
- 1 Still head
- 1 Liebig condenser
- 1 Screwcap adapter
- 1 Receiver adapter
- 1 Air leak / steam inlet tube
- 1 Dropping funnel 50mL with GP rotaflow tap
- 1 Stopper
- 1 Thermometer



27 X/M set includes the following:

- 1 Round bottom flask 25mL
- 1 Air condenser
- 1 Sintered glass funnel
- 1 Drying tube
- 1 Pear shaped flask 50mL - 2 neck
- 1 Steam inlet tube
- 1 Adaptor with T - connector
- 1 Screwcap adaptor

DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29503	27 BU/M Organic Chemistry Set	73.50/Ea
S29502	27 X/M Organic Chemistry Set	57.50/Ea

PYREX™ Chemistry Glassware Kit with 19/22 ST Joints

Versatile kit enables performance of many standard laboratory operations.

Includes all components needed to perform experiments such as distillation and simple reflux and reaction with gas evolution, preparation or recovery.

- Includes a distillation column and bleed tube for steam distillation or gas flow reactions
- Components are separated by a urethane foam liner in a polyethylene storage case
- Case: 5.12 × 10.1 × 1.7 in. (13 × 25.6 × 4.3cm)



Cat. No.	Description	Price
S90555C	Complete Kit	976.00/Cs

United Scientific™ Organic Chemistry Glassware Sets

Available in a standard set of nine and a deluxe set of 16 pieces.

The standard set is designed to cover essential requirements for organic chemistry and is suitable for preparations up to 30g. All glassware is jointed (joint sizes available upon request). The deluxe set is suitable for preparations up to 150g. Both sets come in a sturdy, form fitting case.



Standard Organic Chemistry Glassware Kit (9 piece):

1 Pear-Shaped Flask (50mL); 1 still head; 1 Liebig condenser; 1 screw cap adapter; 1 receiver adapter; 1 air leak/steam inlet tube; 1 dropping funnel (50mL with Rotoflo tap); 1 stopper; 1 thermometer

Deluxe Organic Chemistry Glassware Kit (16 piece):

1 Still Head (14/23); 1 Receiver (19/26)/Cone (14/23); 1 Air Leak / Steam Inlet Tube (14/23); 1 Liebig Condenser (19/26); 1 Dropping Funnel (100mL); 1 Reducing Adapter; 1 Multiple Adapter; 1 Round Bottom Flask (50mL); 1 Round Bottom Flask (100mL); 1 Round Bottom Flask (250mL); 1 Erlenmeyer Flask (250mL); 1 Stopper; 3 Thermometer Pocket; 1 Receiver Adapter

Cat. No.	Description	Price
S07385	Standard Organic Chemistry Glassware Set	123.00/Ea
S07386	Deluxe Organic Chemistry Glassware Set	262.00/Ea

DWK Kem-Kit™ Semi-Macro 19/22 Organic Chemistry Kit

Compact, 14-piece kit for organic chemistry studies

- Selection of basic small-scale glassware with standard taper 19/22 joints
- Performs extraction, reflux, reflux with addition, fractionation, distillation (steam, atmospheric, and vacuum), and other organic chemistry applications
- Supplied in a heavy-duty, double-wall polyethylene storage case with handle and hinged lid
- Case dimensions: 13.5L × 11W × 5.5 in.H (34 × 28 × 14cm)



ORDERING INFORMATION:

- Comprehensive instruction manual
- Storage case

Cat. No.	Description	Price
S65959	Kem Kit Semi-Macro 19/22	721.00/Ea

DWK Kem-Kit™ 14/20 Semi-Macro Organic Chemistry Kit

Kontes' standard taper 14/20 Kem-Kit features many of the same components as the 19/22 kit. Designed for maximum flexibility, this kit works with most glassware found in organic labs. Ideal for performing extraction, reflux, reflux with addition, fractionation, distillation (steam, atmospheric, and vacuum), as well as other applications.

- Standard taper glassware minimizes apparatus setup—allowing you and your students to focus on the application
- Students will gain valuable insight and experience in techniques normally reserved for more advanced projects
- Kit is supplied in a double-wall, heavy-duty polyethylene storage case with handle and hinged lid
- Includes comprehensive instruction manual



Cat. No.	Description	Price
S67549	Kem-Kit™ 14/20 Semi-Macro Organic Chemistry Kit	504.00/Ea

ORDERING INFORMATION:

Case dimensions: 13 ½ × 11 × 5 ½ in. (34 × 28 × 14cm)

Electrochemistry

fisherbrand accumet™ AB150 pH Meters

For laboratories that need basic, accurate, easy-to-use pH/mV meter with exceptionally high accuracy and resolution.

Intuitive, simple operation and high accuracy in a compact, affordable meter.

- Easy-to-understand prompts
- Graphic display with adjustable backlight
- Calibrate with custom pH buffer values
- Date and Time to meet GLP
- Password protection
- Optional calibration reminder and high/low alarm
- 500 point memory – log manually or at intervals
- Easily view calibration data
- 0.001 pH resolution and ±0.002 pH accuracy

pH Mode

- Range: -2.000 to +20.000 pH
- Resolution: 0.1/0.01/0.001 pH
- Accuracy: ±0.002 pH + 1 LSD
- Buffer Sets: USA: 2.000, 4.010, 6.997, 10.013, 12.000
- NIST: 1.678, 4.010, 6.865, 9.184, 12.460
- DIN: 1.090, 3.060, 4.650, 6.790, 9.230, 12.750
- FSCI: 1.000, 3.000, 6.000, 8.000, 10.000, 13.000
- CUSTOM: any two to five values, ≥1.0 pH unit apart
- Slope Display: up to five different slopes with offset
- Temp. Compensation: automatic or manual (0° to 100°C/32° to 212°F)

Output

- RS-232 (phono plug), mini-B USB, stirrer
- Language Selection
- English, French, Spanish, German, Italian, Chinese, Korean, and Portuguese
- Memory
- 500 data sets, viewable
- Datalogging
- Manual, timed (selectable every 3 to 3600 seconds)
- Printer or CSV format



Calibration Due Alarm

- User selectable from 8 hours, 16 hours and 1 to 31 days
- High/Low Alarms
- User selectable, visual and audible, parameter based

INCLUDES:

AB150 Kit: Includes meter, TRIS compatible pH/ATC electrode, electrode arm, RS-232 and USB cables, 100/240V power supply, and manual

AB150 Meter only: Includes meter, electrode arm, RS-232 and USB cables, 100/240V power supply, and manual

WARRANTY:

Meters: Three years parts and labor;
Electrodes (included with meter kits):
One year parts and labor

CERTIFICATIONS:

Select models available with Certificate of NIST Traceability

Cat. No.	Description	Price
S04962	AB150 pH Meter Kit	830.00/Ea
S04964	AB150 pH Meter Only	694.00/Ea

fisherbrand accumet™ AE150 Benchtop pH Meters



Provides the essential functions needed for routine pH measurements without complicated features and processes at a budget-friendly price

Designed for routine pH measurements in the lab with convenience in mind – simple functionality, stored data sets in a non-volatile memory and meter-attachable electrode stand. The accumet AE150 pH meters offer efficient sample reading and recording with flexible display options to show display both pH and temperature or mV and temperature simultaneously.

- One to five point pH calibration
- Automatic buffer recognition with two pH buffer sets
- pH slope and offset display
- One point mV calibration
- One point ATC temperature probe calibration
- Automatic or manual temperature compensation
- Ready icon to indicate measurement stability
- Electrode condition icon to indicate status
- 100 data set storage with non-volatile memory

WARRANTY:
3 years on meter



Cat. No.	Description	Price
S30244	Education Set with Probe and Stand	512.50/Ea
S30245	Meter, Electrode Stand, Literature, Universal Power Adapter (90-240V, 50/60 Hz)	416.00/Ea
S30246	Double Junction pH Electrode, Temperature Probe and Stand	524.00/Ea
S30247	3-in-1 set: 13-620-AE6 3-in-1 single junction gel pH/ATC electrode and stand	542.50/Ea

fisherbrand FE150 pH Benchtop Meter Sets

Designed for convenient routine pH measurement in the lab: user-friendly, stores data sets in non-volatile memory and meter-attachable electrode stand. Efficient sample reading and recording with flexible display options: display both pH and temperature or mV and temperature simultaneously.

The essential functions needed for routine measurements

- One to five point pH calibration
- Automatic buffer recognition with selection of two pH buffer sets
- pH slope and offset display
- One point mV calibration
- One point ATC temperature probe calibration
- Automatic or manual temperature compensation
- Ready icon to indicate measurement stability
- Electrode condition icon to indicate status
- 100 data set storage with non-volatile memory



Cat. No.	Description	Price
S35925	3-in-1 Benchtop pH Meter Set with 3-in-1 Single-Junction pH/ATC Electrode	482.00/Ea
S35924	Benchtop Meter Bio Set with Double Junction Gel pH Electrode	476.00/Ea
S43609	FE150 pH STEM Kit with Meter, Buffers and Beaker	662.00/Ea
S43610	pH Pen STEM Kit with Pen and Beakers	218.00/Ea

Insta-Chek™ Wide-Range Paper Dispenser

Single color match for each pH value.

- 14 distinct colors match the 14 pH values for accurate readings
- Includes color chart
- Dispenser contains 50 ft. x 0.5 in.W roll (15.2m x 1.27cm)



Cat. No.	Description	Price
S60149A	pH Test Strip Refill	15.75/Ea
S60149	Paper Dispenser	11.75/Ea

Conductivity Indicators

Ideal for comparing various solutions across a wide range of conductivity levels.

Simply immerse the probes in the solution and record the display lamp lit. The higher the numbered display lamp lit, the greater the solution conductivity.



- Unique, multiple lamp conductivity display determines the relative conductivity of solutions
- Choose from the 10-level RCI Junior or the advanced, 20-level RCI-DX conductivity indicator

REQUIRES: 9V transistor battery

Cat. No.	Description	Price
S63198	RCI-JR (10-level RCI Junior)	71.50/Ea

pH Buffer Solution

- pH 10.0
- 500mL



Cat. No.	Description	Price
S06494	pH Buffer Solution	3.30/Cs

Fisher Science Education™ Electrode Storage Solution

For storing pH electrodes.

- Poly bottle packaging
- Volume: 1L

Cat. No.	Description	Price
S25907	Electrode Storage Solution	34.50/Ea

This product is an Educational Grade Chemical — no C of A is available.

pH Singles Calibration Solutions in 20mL Pouches

The pH Singles are ideal for field calibration—just select the pouches needed and carry them to your test site for on-the-spot calibration and verification. No bottles to carry or clean. Pouches are airtight for maximum freshness and unquestionable reliability. Packets are labeled with temperature versus pH reference tables. Sold in packs of twenty 20mL pouches.



CERTIFICATIONS:

NIST traceable, All solutions are certified traceable to NIST™ standards.

Cat. No.	Description	Price
S66771	pH 4.01	55.00/Pk
S66772	pH 7.00	54.30/Pk
S66773	pH 10.00	53.75/Pk
S66774	4.01, 7.00, 10.00	54.30/Pk

Economical Plastic pH Strips

Offer excellent color separation in the pH range; 50 pH test strips/pack.

- Packaged in zip lock pack
- Colorimetric chart located on the vial label
- Plastic pH test strip construction
- Ideal for lab, field or classroom use
- Instant dip and read result
- Range: 0.0 to 14.0

Cat. No.	Description	Price
S21140	Plastic pH Strips	12.75/Pk

Advanced Placement

Kemtec™ AP Chemistry Kits: *Preparing Buffer Solutions and Determining Their Properties*

After being assigned one of the three buffer systems, pH, and component acids, bases or conjugates, students construct a buffer and test it based on their own calculations. Students compare the pH changes of their buffer to those of distilled water and other solutions.

- Minimal prep time required
- Instructor's manual features background material, easy to follow stepwise protocols, assessment questions, sample data, modeled calculations, and an answer key
- Kit designed to exceed 2013 AP Next Generation National Standards
- Meets AP Science Practices 4 & 7
- Targets Grades: 10-14
- Accommodates 24 Students Working in Groups of two

Kemtec AP kits are compatible with optional data collection and simulations using TI-Nspire handhelds and software. Free activities can be found at www.fisheredu.com/TI.

REQUIRES:

Personal Protective Equipment, pH meter, glassware

INCLUDES:

Sodium Hydroxide, 12.0N; Hydrochloric Acid, 12M; Acetic Acid, 25%v/v, 100ML; Ammonium Hydroxide, 20%v/v 100mL; Sodium Phosphate Monobasic; Sodium Phosphate Dibasic; Ammonium Chloride, ACS; Sodium Acetate, Trihydrate, ACS



Cat. No.	Description	Price
S07342	Preparing Buffer Solutions and Determining Their Properties	124.00/Ea

Kemtec™ AP Chemistry Kits: *Determining the Equilibrium Constant (and Temperature's Effect) with Beer's Law*

Loaded with important concepts and techniques for the AP chemistry student. Determine the equilibrium constant using Le Chatelier's principle and Beer's Law (using spectrophotometry) to determine equilibrium concentrations of reactants and products.

Addresses the inquiry question: What is the effect of temperature on the equilibrium constant?

- Minimal prep time
- Easily adapted to three shorter lab periods
- Instructor's manual features background material, easy-to-follow stepwise protocols, assessment questions, sample data, modeled calculations, and an answer key
- Kit designed to exceed 2013 AP Next Generation National Standards
- Meets AP Science Practices 2 & 7
- Targets Grades: 10-14
- Accommodates 24 Students Working in Groups of two

Kemtec AP kits are compatible with optional data collection and simulations using TI-Nspire handhelds and software. Free activities can be found at www.fisheredu.com/TI.



INCLUDES:

Iron (III) Nitrate, 0.25M, 400mL; Potassium Thiocyanate, 0.0025M, 275mL; Nitric Acid, 0.2N

REQUIRES:

Personal Protective Equipment, spectrophotometers, glassware and thermometers

Cat. No.	Description	Price
S07343	Determining the Equilibrium Constant (and Temperature's Effect) with Beer's Law	92.00/Ea

Kemtec™ AP™ Chemistry Kits: *Micro-scale Electrochemical Cells - Voltaic and Electrolytic*

Analyze oxidation-reduction (redox) reactions and become familiar with the activity series of metals and its importance in predicting the products of replacement reactions.

Students test both Voltaic and Electrolytic cells, and predict and measure cell voltages. Lessons include learning to separate oxidation-reduction (redox) reactions into half reactions, as well as identifying both anode and cathode activity.

- Minimal prep time required
- Instructor's manual features background material, easy-to-follow stepwise protocols, assessment questions, sample data, modeled calculations and an answer key
- Kit designed to exceed 2013 AP Next Generation National Standards
- Meets AP Science Practices 3 & 7
- Targets Grades: 10-14
- Accommodates 24 Students Working in Groups of two

Kemtec AP kits are compatible with optional data collection and simulations using TI-Nspire handhelds and software.



INCLUDES:

Copper Sulfate, 0.1M; Aluminum Sulfate, 0.1M, 60mL; Zinc Sulfate, 0.1M; Magnesium Sulfate 0.1M, 60mL; Ferric Sulfate 0.1M, 60mL; Potassium Chloride, 3.5M, 60mL; Potassium Iodide 0.5M; 12 Microplates, (24-Well); Six Copper Strips (2 in. x ¼ in.); Six Aluminum Metal Strips; six Magnesium Strips (2 in. x ¼ in.); Six Iron Strips (¼ in. x 2.5 in.); Six Zinc Strips 2 in. x ¼ in.); Six 9V Heavy Duty Batteries; Six I-Shape 9V Battery Snaps

REQUIRES:

Personal Protective Equipment, DC voltmeter, glassware

Cat. No.	Description	Price
S07344	Micro-scale Electrochemical Cells - Voltaic and Electrolytic	216.00/Ea

Kemtec™ AP™ Chemistry Kits: *Determining Molar Mass Using the Ideal Gas Equation*

This unique hands-on method of exploring gases allows students to compare properties of real and ideal gases (based on KMT assumptions) as they determine the molar mass of a volatile solvent.

Students manipulate volume, temperature and pressure while using the ideal gas equation to compute moles of gas.

- Ideal for Honors or AP Chemistry
- Instructor's manual features background material, easy-to-follow stepwise protocols, assessment questions, sample data, modeled calculations, and an answer key
- Kit designed to exceed 2013 AP Next Generation National Standards
- Meets AP Science Practices 1, 2 & 5
- Targets Grades: 10-14
- Accommodates 24 Students Working in Groups of two

Kemtec AP kits are compatible with optional data collection and simulations using TI-Nspire handhelds and software.

INCLUDES:

Isopropanol, ACS 99%;
Methanol (Methyl Alcohol), ACS;
Ethanol, 95% Denatured, 250mL

REQUIRES: Personal Protective Equipment, hotplates, balances, ring stands, glassware and basic lab supplies



Cat. No.	Description	Price
S07337	Determining Molar Mass Using the Ideal Gas Equation	74.25/Ea

Kemtec™ AP™ Chemistry Kits: *Reaction Rate and Order*

Using this superior reagent system, students are able to generate highly reproducible results from an iodine clock reaction.

Students determine factors that affect reaction rates as they vary reactant concentrations, measure rates, calculate reaction orders, and calculate reaction rate constants. Activation Energy is also determined utilizing the logarithmic form of the Arrhenius Equation by plotting temperature and reaction rate.

- Instructor's manual features background material, easy to follow stepwise protocols, assessment questions, sample data, modeled calculations, and an answer key
- Kit designed to exceed 2013 AP Next Generation National Standards
- Meets AP Science Practices 1, 2 & 4
- Targets Grades: 10-14
- Accommodates 24 Students Working in Groups of two

Kemtec AP kits are compatible with optional data collection and simulations using TI-Nspire handhelds and software.

REQUIRES:

Personal Protective Equipment, stop watch, pipets, lab glassware



INCLUDES:

Potassium Iodate, 0.2M, 200mL; Sulfuric Acid, 2.0N, 5mL; Sodium Bisulfite, 0.2g; Soluble Starch, 4g

Cat. No.	Description	Price
S07338	Reaction Rate and Order	82.00/Ea

Kemtec™ AP™ Chemistry Kits: *Separating Substances by Absorption Chromatography*

Students learn the fundamentals of paper and thin-layer chromatography (TLC) as they answer the inquiry question, "What colors my food?"

Analyze various candies, foods, tea extracts and pen ink while comparing and contrasting paper chromatography and TLC results to reference materials. Teach students molecular polarity and intermolecular forces.

- Ideal for AP Chemistry, Chemistry I or II, or Honors Chemistry
- Instructor's manual features background material, easy to follow stepwise protocols, assessment questions, sample data, modeled calculations, and an answer key
- Kit designed to exceed 2013 AP Next Generation National Standards
- Meets AP Science Practices 1 & 5
- Targets Grades: 10-14
- Accommodates 24 students working in groups of two

Kemtec AP kits are compatible with optional data collection and simulations using TI-Nspire™ handhelds and software.

REQUIRES: Personal Protective Equipment, 24 well microtiter plates and basic laboratory supplies

INCLUDES:

120mL ethanol, 120mL ethyl acetate, 3 silica gel, 1mL mixture of bromo brocreasol green and methyl red, 1mL zylene cyanl, 1mL mixture xylene cyanol brocreasol green and methyl red, 100 capillary tubes



Cat. No.	Description	Price
S07333	Separating Substances by Absorption Chromatography	164.00/Ea

AP Chemistry Kits: *Le Chatelier and the Colors of the Rainbow*

Investigate Le Chatelier's principle and why it works.

Students can investigate this principle by testing several systems at equilibrium and then selecting specific ones to produce the colors of the rainbow based on specific applications this principle. Students will then be challenged by selecting which reaction system to use for which color in producing the rainbow while trying to only use a given "stress" once.



INCLUDES:

Bromothymol Blue 0.04% (3 × 30mL), Sodium Hydroxide 0.1N (3 × 15mL), Potassium Thiocyanate 0.1M (3 × 250mL), Potassium Thiocyanate (3 × 10g), Sodium Phosphate Tribasic (3 × 10g), Copper (II) Sulfate (3 × 250mL), Ammonium Hydroxide Acs 28 to 30% (3 × 15mL), Copper (II) Chloride (3 × 10g), Cobalt Chloride Hexahydrate (3 × 10g), deionized water (3 × 30mL), Sodium Chloride (3 × 10g), Silver Nitrate 0.1M (3 × 15mL), Hydrochloric Acid 0.1N (3 × 15mL), Sodium Chloride 0.1M (3 × 15mL), Ferric Nitrate 0.2M Fe(NO₃)₃ (3 × 15mL), Iron (III) Chloride (3 × 10g), Potassium Nitrate 0.1M (3 × 15mL), Hydrochloric Acid 1.0N (3 × 15mL), Hydrochloric Acid T/G 32% (3 × 15mL), Ethyl Alcohol R/G 95% Denat (3 250mL), Acetone (3 × 30mL), Methyl Red indicator 0.3% (3 × 15mL), teacher's guide, student study guide copymasters

- Meets Big Idea 6, Investigation 13, Primary Learning Objective 6.9
- Contains materials for 15 groups of students

REQUIRES:

Personal Protective Equipment, beakers (50 and 250mL), graduated cylinders (10 and 50mL), labeling or marking pens, test tube, thermometer, hotplate, magnetic stir plate, test tube holder, volumetric flask (500mL), ice, stir bar, test tube rack, wash bottle

Cat. No.	Description	Price
S07322	Le Chatelier and the Colors of the Rainbow	78.00/Ea

AP Chemistry Kits: *What's In That Bottle?*

Demonstrates physical and chemical properties of unknown chemicals through various lab tests.

Students will identify the 4 different kinds of bonds that exist in chemicals: ionic, polar covalent, nonpolar covalent and metallic. Students review the properties of each solid using various tests.



- Meets Big Idea 1, Investigation 6 and Primary Learning Objective 2.22
- Contains materials for 15 groups of students and teacher's guide and student study guide copymasters

INCLUDES:

10g Ammonium Chloride, 10g Magnesium Oxide, 10g Benzoic Acid, 10g Aluminum Metal Powder 200 mesh, 10g Paraffin Wax, 10g Sodium Acetate, 10g Sodium Carbonate Anhydrous, 10g Copper Metal, 50 mesh, 99% Min, 10g Cupric Sulfate Pentahydrate, 10g Sodium Chloride, 10g Calcium Carbonate, 10g Potassium Nitrate, 10g Salicylic Acid, 10g Calcium Metal Granular 8-Mesh, 10g Zinc Metal, 10g Cupric Sulfate, 10g Sucrose Granular Sugar, 10g Sodium Bicarbonate, 10g coated Magnesium granules, 10g Urea Crystals, 30mL Universal Indicator, 30mL Sodium Hydroxide 0.1N, 30mL N-Hexanes, 30mL Deionized water, 30mL Hydrochloric Acid 0.1N, 30mL Ethyl Alcohol 95% Denatured, 30mL Phenolphthalein 1% IPA, 32 Capillary tubes

ORDERING INFORMATION:

This package conforms to 49 CFR 173.4 for domestic highway or rail transport only.

REQUIRES:

Personal Protective Equipment

Cat. No.	Description	Price
S07315	What's In That Bottle?	70.25/Ea

AP Chemistry Kits: *Designing a Hand Warmer*

Study the various energy changes that occur with the formations of solutions for laboratory salts.

Using data obtained from this experiment, students can create the best and safest hand warmer and also determine the heat of solutions for each solid and analyze the cost and safety information with provided safety data sheet.

- Meets Big Idea 5, Investigation 12, Primary Learning Objective 5.7
- Contains materials for 15 groups of students

INCLUDES:

Calcium Chloride 4 to 20mesh (100g), Sodium Carbonate soda ash (100g), Lithium Chloride (100g), Sodium Acetate (100g), Ammonium Nitrate (100g), Sodium Chloride (100g), Magnesium Sulfate (200g), teacher's guide, student study guide copymasters



REQUIRES:

Personal Protective Equipment, deionized or distilled water, beaker (250mL), hot plate, paper towels, stir bar, thermometer, 0.01g precision balance, graduated cylinder (100mL), magnetic stirrer, ring clamp and support stand, polystyrene cups and timer or stopwatch

Cat. No.	Description	Price
S07321	Designing a Hand Warmer	37.75/Ea

Kemtec™ AP™ Chemistry Kits: *AP Chemistry Series Kits (16 Kits)*

Order all 16 Kemtec AP Chemistry Kits at once.

Both series kits include a balance. All kits are designed to exceed 2013 AP Next Generation National Standards.

The Basic AP Chemistry Series Kit includes:

- Statistics: Precision & Accuracy (no glassware S07328)
- Spectrophotometric Analysis of Copper: Beer's Law (S07330)
- Synthesis and Gravimetric Analysis of Cobalt Oxalate Hydrate (S07331)
- Acid-Base Titrations: An Inquiry Investigation (S07332)
- Separating Substances by Absorption Chromatography (S07333)
- Stoichiometry: Reactions with Copper Compounds (S07334)
- Stoichiometry: Mole Ratio of an Unknown (S07335)
- Determining Molar Mass by Colligative Properties (S07336)
- Determining Molar Mass Using the Ideal Gas Equation (S07337)
- Reaction Rate and Order (S07338)
- Determining Molar Enthalpy Using Hess's Law (S07339)
- Le Chatelier's Principle Featuring Ag⁺ reaction! (S07340)
- Identifying Weak Acids by pKa (S07341)
- Preparing Buffer Solutions and Determining Their Properties (S07342)
- Determining the Equilibrium Constant (and Temperature's Effect) with Beer's Law (S07343)
- Micro-Scale Electrochemical Cells – Voltaic and Electrolytic (S07344)

REQUIRES:

Personal Protective Equipment



The Enhanced AP Chemistry Series Kit includes:

- Statistics: Precision & Accuracy (with glassware S07329)
- Spectrophotometric Analysis of Copper: Beer's Law (S07330)
- Synthesis and Gravimetric Analysis of Cobalt Oxalate Hydrate (S07331)
- Acid-Base Titrations: An Inquiry Investigation (S07332)
- Separating Substances by Absorption Chromatography (S07333)
- Stoichiometry: Reactions with Copper Compounds (S07334)
- Stoichiometry: Mole Ratio of an Unknown (S07335)
- Determining Molar Mass by Colligative Properties (S07336)
- Determining Molar Mass Using the Ideal Gas Equation (S07337)
- Reaction Rate and Order (S07338)
- Determining Molar Enthalpy Using Hess's Law (S07339)
- Le Chatelier's Principle Featuring Ag⁺ reaction! (S07340)
- Identifying Weak Acids by pKa (S07341)
- Preparing Buffer Solutions and Determining Their Properties (S07342)
- Determining the Equilibrium Constant (and Temperature's Effect) with Beer's Law (S07343)
- Micro-Scale Electrochemical Cells – Voltaic and Electrolytic (S07344)

Kemtec AP kits are compatible with optional data collection and simulations using TI-Nspire handhelds and software.

Cat. No.	Description	Price
S07345	Basic Ap Chemistry Series Kit	1786.00/Ea
S07346	Enhanced Ap Chemistry Series Kit	2030.00/Ea

There are more reasons than ever to get your chemicals through the Fisher Science Education channel.

- User-Friendly Reference Guide
- Easy-to-Read Labels
- Industry Standard Storage Plan
- Comprehensive Online Resources

The Fisher Science Education brand is committed to providing you with comprehensive and reliable resources to use when selecting chemicals for your classroom. Each chemical listing includes the following information (where applicable):

Classroom-Friendly Options

- Purity Grades for Every Application
 - Lab (or Educational) Grade — These economical chemicals are of reasonable purity for situations where no official standards for quality or impurity levels are required
 - Reagent Grade — The highest quality commercially available for this chemical; the American Chemical Society (ACS) has not officially set any specifications for this material
 - ACS Reagent Grade — Chemicals meet or exceed the latest ACS specifications; designed for analytical applications requiring tighter standards
- Quantities to Fit Your Requirements
 - Range of pack sizes, including smaller quantities to reduce cost and waste

Label Key

- 1 Chemical Name
- 2 Synonym(s); Chemical Formula
- 3 Formula Weight
- 4 CAS Number
- 5 Color/Appearance
- 6 Solubility
- 7 Shelf Life
- 8 Department of Transportation (DOT) Classification
- 9 ChemAlert™ Storage Code
- 10 Chemical Grade
- 11 Catalog Number
- 12 Available Sizes
- 13 Price
- 14 Prop 65 Information

1 — Ammonium Dichromate

2 — Ammonium Dichromate; $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$

3 — F.W. 252.06

4 — CAS: 7789-09-5

5 — Color: Orange to red

6 — Solubility in Water: Soluble

7 — Shelf Life: 1 year

8 — DOT Class 5.1, II: Oxidizer

9 — REACTIVE & OXIDIZING


10 — LAB GRADE - CRYSTAL

11 — S25169*	100g	9.50
S25169A*	500g	25.25
S25169B*	2kg	101.00

12 — Available Sizes (100g, 500g, 2kg)

13 — Price (9.50, 25.25, 101.00)

14 — *The California Safe Drinking Water and Toxic Enforcement Act of 1986 or Proposition 65 requires products sold in California to include warnings on any chemical or material known to cause cancer or birth defects or other reproductive harm. As of August 2018, Fisher Science Education will display Prop 65 warnings as required by law. For more information, visit p65warnings.ca.gov






 * California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

ChemAlert™ Safe Storage Plan



STORAGE INFORMATION AT A GLANCE

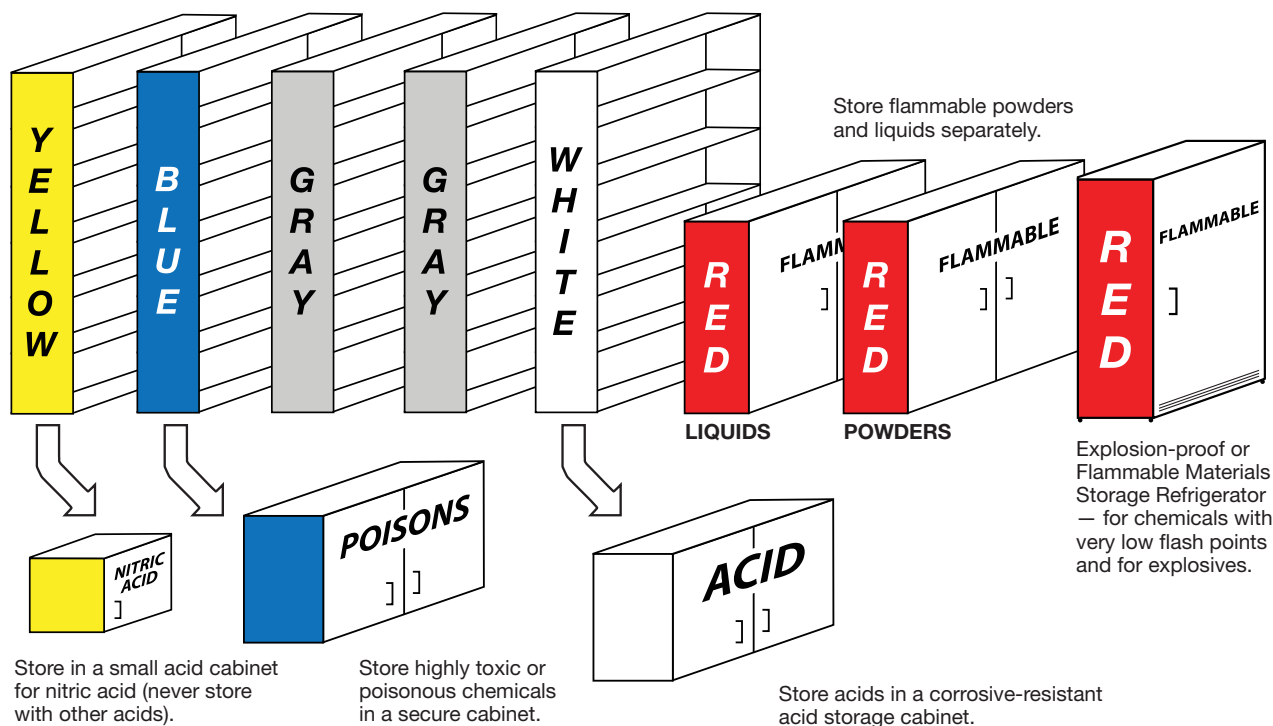
Every Fisher Science Education label features one of five color codes to suggest proper chemical storage.

	Red — Flammable Store in area segregated for flammable reagents.
	Blue — Health Hazard Toxic if inhaled, ingested, or absorbed through skin; store in secure area.
	Yellow — Reactive and Oxidizing May react violently with air, water, or other substances; store away from flammable and combustible materials.
	White — Corrosive May harm skin, eyes, and mucous membranes; store away from red-, yellow-, and blue-coded reagents. Store acids and bases separately.
	Gray — Moderate Hazard Presents no more than moderate danger in any of the hazards previously listed.

IMPORTANT:

- Oxidizers (YELLOW) must be isolated from flammables (RED). It is recommended that all flammables be stored in a dedicated Flammables Storage Cabinet.
- If you store any highly toxic chemicals or severe poisons (BLUE), they should receive special security.
- Avoid any storage on floor or above eye level.
- Storage shelves should have a 3/4 in. lip to help prevent spills.
- **Always lock your chemical storage room.**

Visit fisheredu.com/chemicals for more safety information and additional resources for your lab.



NOTE: ChemAlert is an instant guide only. It should be supplemented by reading the rest of the label (which provides detailed instructions in the event of accidental exposure, spill, or fire, and applicable OSHA, DOT, and ANSI™ data), the appropriate Safety Data Sheet (SDS) and standard references.

ChemAlert™ Guide

Beginning in June of 2015, the OSHA Globally Harmonized System of Classification and Labeling for Chemicals became the standard on all Fisher Science Education chemical bottles. This new labeling system provides users with a standardized, common approach to classifying chemicals, ensuring that students will find consistent information about the handling and safe use of hazardous chemicals from their first exposure in the classroom, through college, and into their future careers.

1 Ammonium Dichromate
Lab Grade
CODE: S25169

2 Lot #: S25169
3 Expiration Date: S25169
4 Size: 100g
5 SIGNAL WORD: Danger
6 Proper Shipping Name: Ammonium Dichromate
UN Identification Number: UN1199

7 NFPA Information: 2 1 2

8 GHS Pictograms: Health Hazard, Flame, Exclamation Mark, Gas Cylinder, Corrosion

9 Storage Code Yellow

10 Flinn Compatible Chemical Family Code: S25169

11 QR code – links to chemical online resources

12 Safety Information

13 CONTAINS: Ammonium Dichromate CAS# 7789-09-5

14 Prop 65 Information: WARNING: Cancer - www.P65Warnings.ca.gov

Supplied By: Fisher Science Education, 5771 Oliver Crest Road, Nazareth, PA 18064, Business Phone: 800-368-1177, Emergency Phone: 800-235-3324

- Label Key**
- 1 Chemical Name
 - 2 Catalog Number
 - 3 Lot Number
 - 4 Expiration Date
 - 5 Signal Word
 - 6 Proper Shipping Information
 - 7 NFPA Information
 - 8 GHS Pictograms
 - 9 Storage Code
 - 10 Flinn Compatible Chemical Family Code (used with permission of Flinn Scientific, Inc.)
 - 11 QR code – links to chemical online resources
 - 12 Safety Information
 - 13 Contains
 - 14 Prop 65 Information

GHS Pictograms

Health Hazard	Flame	Exclamation Mark	Gas Cylinder	Corrosion
<ul style="list-style-type: none"> • Carcinogen • Mutagenicity • Reproductive Toxicity • Respiratory Sensitizer • Target Organ Toxicity • Aspiration Toxicity 	<ul style="list-style-type: none"> • Flammables • Pyrophorics • Self-Heating • Emits Flammable Gas • Self-Reactives • Organic Peroxides 	<ul style="list-style-type: none"> • Irritant (skin and eye) • Skin Sensitizer • Acute Toxicity • Narcotic Effects • Respiratory Tract Irritant • Hazardous to Ozone Layer (Non-Mandatory) 	<ul style="list-style-type: none"> • Gases Under Pressure 	<ul style="list-style-type: none"> • Skin Corrosion / Burns • Eye Damage • Corrosive to Metals
Exploding Bomb	Flame Over Circles	Environment	Skull and Crossbones	
<ul style="list-style-type: none"> • Explosives • Self-Reactives • Organic Peroxides 	<ul style="list-style-type: none"> • Oxidizers 	<ul style="list-style-type: none"> • Aquatic Toxicity 	<ul style="list-style-type: none"> • Acute Toxicity (fatal or toxic) 	

ChemAlert™ Storage Codes

Indicate the recommended method of chemical storage.

Every Fisher Science Education label features one of the five following color codes to indicate storage needs.

- Red — Flammable**
Store in area segregated for flammable reagents.
- Blue — Health Hazard**
Toxic if inhaled, ingested, or absorbed through skin; store in secure area.
- Yellow — Reactive and Oxidizing**
May react violently with air, water, or other substances; store away from flammable and combustible materials.
- White — Corrosive**
May harm skin, eyes, and mucous membranes; store away from red-, yellow-, and blue-coded reagents. Store acids and bases separately.
- Gray — Moderate Hazard**
Presents no more than moderate hazard in any of the hazards previously listed.




Dot Classifications

The U.S. Department of Transportation (DOT) publishes transportation regulations covering shipments of materials classified as hazardous within the continental United States and its territories. These regulations, covering packaging, marking, labeling, and shipping paper descriptions, are published in 49 CFR Parts 100-185. Materials are classified according to the system listed below.

DOT Hazard Class /Division	DOT Hazard Description
1	Explosives
2.1	Flammable Gas
2.2	Non-Flammable Gas
2.3	Poison Gas
3	Flammable Liquid
4.1	Flammable Solid
4.2	Spontaneously Combustible
4.3	Dangerous When Wet
5.1	Oxidizer
5.2	Organic Peroxide
6.1	Poison
6.2	Infectious Substance
7	Radioactive
8	Corrosive
9	Miscellaneous

NFPA Hazard Code Ratings

The National Fire Protection Association has developed a numerical rating system that reflects the health, flammability, self-reactivity, and other hazards of materials, including reactivity with water, as specified in NFPA 704, Standard System for the Identification of the Hazards of Materials for Emergency Response. Potential hazards are evaluated based on the degree of hazard, and the numerical rating is placed inside the universal NFPA symbol. (Included on all Fisher Science Education chemical labels.)

NFPA Rating Explanation Guide					
RATING NUMBER	HEALTH HAZARD	FLAMMABILITY HAZARD	INSTABILITY HAZARD	RATING SYMBOL	SPECIAL HAZARD
4	Can be lethal	Will vaporize and readily burn at normal temperatures	May explode at normal temperatures and pressures	ALK	Alkaline
3	Can cause serious or permanent injury	Can be ignited under almost all ambient temperatures	May explode at high temperature or shock	ACID	Acidic
2	Can cause temporary incapacitation or residual injury	Must be heated or high ambient temperature to burn	Violent chemical change at high temperatures or pressures	COR	Corrosive
1	Can cause significant irritation	Must be preheated before ignition can occur	Normally stable. High temperatures make unstable	OX	Oxidizing
0	No hazard	Will not burn	Stable		Radioactive
					Reacts violently or explosively with water
					Reacts violently or explosively with water and oxidizing

Restrictions on Sale of Chemicals

Chemicals can be sold only to institutions, to full-time educators, and to professionals, on purchase order or organization letterhead. We are not permitted to honor student orders.

A hazardous surcharge will be applied to chemicals that are designated hazardous by the U.S. Department of Transportation at the time of shipment. Certificates of analysis are NOT available for the chemicals featured in this catalog.

Fisher Science Education chemicals are intended to be used for **educational purposes only**.

Acacia

Gum Arabic

CAS: 9000-01-5

Color: White to Yellow

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25114 100g 12.75

AcetamideAcetic Acid Amide; CH₃CONH₂

F.W. 59.06

CAS: 60-35-5

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

CRYSTALS

S25116* 100g 15.25

AcetanilideN-Phenylacetamide; CH₃CONHC₆H₅

F.W. 135.17

CAS: 103-84-4

Color: White

Solubility in Water: Slightly soluble

Shelf Life: 5 years

MODERATE HAZARD

GLISTENING CRYSTALS

S25117A 50g 24.75

S25117 100g 36.75

Acetic Acid Solution, 6M

Color: Clear

Solubility in Water: Soluble in water

DOT Class 8, III: Corrosive

CORROSIVE

6M

S25840B 1L 16.25

Acetic Acid Solutions

Color: Clear

Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M

S25840 1L 15.50

1.0M

S25840A 1L 15.50

Acetic Acid, GlacialCH₃CO₂H

F.W. 60.05

CAS: 64-19-7

Color: Clear

Solubility in Water: Soluble in water

Shelf Life: 5 years

DOT Class 8 (3), II: Corrosive

FLAMMABLE

ACS GRADE

S25118B 500mL 18.50

S25118 2.5L 63.50

ACS GRADE, SAFE-COTE

S25118A 500mL 18.50

Acetic AnhydrideAcetic Oxide; (CH₃CO)₂O

F.W. 102.09

CAS: 108-24-7

Color: Clear

Solubility in Water: Soluble in water

Shelf Life: 5 years

DOT Class 8 (3), II: Corrosive

FLAMMABLE

LAB GRADE

S25119 100mL 11.00

REAGENT GRADE

S25119A 500mL 31.25

Acetone2-Propanone; CH₃COCH₃

F.W. 58.08

CAS: 67-64-1

Color: Clear

Solubility in Water: Soluble in water

Shelf Life: 5 years

DOT Class 3, II: Flammable Liquid

FLAMMABLE

ACS GRADE

S25120 500mL 15.25

S25120A 4L 35.00

HISTOLOGY GRADE

S25904 4L 36.50

REAGENT GRADE

S25120B 500mL 10.50

S25120C 20L 155.00

Aceto-Orcein Solution, 2%

Color: Violet

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, III: Corrosive

CORROSIVE

2%

S25121 30mL 14.25

S25121A 100mL 37.25

Acetylcholine Chloride Solution, 0.01%

Color: Clear, colorless

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

0.01%

S25652 100mL 8.65

Acetylsalicylic AcidAspirin; 2-(CH₃CO)₂C₆H₄CO₂H

F.W. 180.16

CAS: 50-78-2

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 6.1, III: Poison

HEALTH HAZARD

LAB GRADE

S25122** 100g 11.25

Adenosine Triphosphate (ATP)ATP; C₁₀H₁₄N₅O₁₃P₃Na₂·3H₂O

F.W. 551.18

CAS: 987-65-5

Color: White solid

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25123 1g 28.50

Adipic Acid1,4-Butanedicarboxylic Acid; HO₂C(CH₂)₄CO₂H

F.W. 146.14

CAS: 124-04-9

Color: White powder

Solubility in Water: Insoluble

Shelf Life: 2 years

MODERATE HAZARD

POWDER

S25124 500g 13.50

Adipoyl Chloride, Hexane Solution

Dipryl

Color: Clear, colorless

Solubility in Water: Insoluble

Shelf Life: One year

DOT Class 3 (8), II: Flammable Liquid

FLAMMABLE

SOLUTION

S25125 100mL 21.25

S25125A 250mL 42.50

L-Adrenaline Solution, 0.01%Epinephrine; C₉H₁₃NO₃

Color: Clear, colorless

Solubility in Water: Soluble

Shelf Life: 18 months

MODERATE HAZARD

0.1%

S25126 100mL 6.20

Agar, Bacteriological

Gelose

CAS: 9002-18-0

Color: Light beige

Solubility in Water: Soluble in hot water

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25127 100g 21.00

S25127A 500g 63.25

Agarose

Powder

CAS: 9012-36-6

Color: Yellow-brown to orange-yellow

Shelf Life: 2 years

MODERATE HAZARD

POWDER

S25128A 5g 22.25

S25128 25g 55.25

Chemicals are educational grade and are intended for teaching use only.
Not approved for clinical use.

* California - WARNING: Cancer www.P65Warnings.ca.gov** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Agarose Solution

Liquid

Color: Clear, colorless

Solubility in Water: Complete

Shelf Life: 2 years

0.80%		
S25129	200mL	21.50
2%		
S25130	200mL	19.25

MODERATE HAZARD

DL-Alanine

D-2-Aminopropionic Acid; $\text{CH}_3\text{CH}(\text{NH}_2)\text{CO}_2\text{H}$

F.W. 89.09

CAS: 302-72-7

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

SOLID

S25648	50g	23.75
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MODERATE HAZARD

L-Alanine

(S)-Alanine; $\text{CH}_3\text{CH}(\text{NH}_2)\text{CO}_2\text{H}$

F.W. 89.09

CAS: 56-41-7

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

SOLID

S25647	5g	31.00
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MODERATE HAZARD

Albumin, from Eggs

Egg Albumin

CAS: 9006-59-1

Color: Yellow

Solubility in Water: Soluble in water

Shelf Life: 1 year

REAGENT GRADE

S25132	25g	8.65
S25132A	100g	14.75
S25132B	500g	53.25

MODERATE HAZARD

Alizarin Red S

Mordant Red 3; $\text{C}_{14}\text{H}_7\text{NaO}_7\text{S}$

F.W. 342.26

CAS: 130-22-3

Color: pH 4.6 (Yellow); pH 6.0 (Red)

Solubility in Water: Soluble

Shelf Life: 5 years

SOLID

S25131	25g	15.50
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MODERATE HAZARD

Alizarin Yellow R, Indicator Solution

Color: Clear, yellow

Solubility in Water: Infinite

Shelf Life: 18 months

0.1%

S25134A	100mL	8.00
S25134	500mL	18.00

MODERATE HAZARD

Alizarin Yellow R, Sodium Salt

Mordant Orange 1; $\text{C}_{13}\text{H}_8\text{N}_3\text{O}_5\text{Na}$

CAS: 1718-34-9

Color: Brown yellow, Red brown or Brown

Solubility in Water: Soluble in water

Shelf Life: 5 years

SOLID

S25133	5g	3.90
S25133A	10g	12.25

MODERATE HAZARD

Aluminon

Aurin Tricarboxylic Acid; $\text{C}_{22}\text{H}_3\text{N}_3\text{O}_9$

F.W. 473.44

CAS: 569-58-4

Color: Red-brown

Solubility in Water: Soluble in water

Shelf Life: 5 years

REAGENT GRADE

S25140	5g	20.25
S25140A	25g	28.50

MODERATE HAZARD

Aluminum Ammonium Sulfate, Dodecahydrate

Ammonium Alum; $\text{AlNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$

F.W. 453.32

CAS: 7784-26-1

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

REAGENT GRADE

S25142	100g	6.90
S25142A	500g	14.75

MODERATE HAZARD

Aluminum Chloride, Hexahydrate

Trichloroaluminum Hexahydrate; $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$

F.W. 241.43

CAS: 7784-13-6

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 8, II: Corrosive

Reacts strongly with water

REAGENT GRADE

S25143	100g	12.25
S25143A	500g	25.25

CORROSIVE

Aluminum Hydroxide

Aluminum (III) Hydroxide; $\text{Al}(\text{OH})_3 \cdot \text{XH}_2\text{O}$

F.W. 78.00

CAS: 21645-51-2

Color: White

Solubility in Water: Insoluble in water

Shelf Life: 5 years

LAB GRADE

S25147	100g	7.15
S25147A	500g	20.00

MODERATE HAZARD

Aluminum Metal

Al

F.W. 26.98

CAS: 7429-90-5

Color: Silver-gray

Solubility in Water: Insoluble

Shelf Life: 5 years

Reacts with water or moisture

LAB GRADE - GRANULAR, 10 TO 30 MESH

S25141	100g	15.75
S25141A	500g	44.75

LAB GRADE - METAL STRIPS

S25146	30/Pk	16.25
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REAGENT GRADE - PELLETS, 2 TO 5 MESH

S25150	500g	18.00
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REAGENT GRADE - SHEETS, 12 x 12 x 0.03"

S25145	Ea.	32.25
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MODERATE HAZARD

Aluminum Nitrate, Nonahydrate

Nitric Acid Aluminum Salt; $\text{Al}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$

F.W. 375.13

CAS: 7784-27-2

Color: Colorless to white

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 5.1, III: Oxidizer

REAGENT GRADE

S25148	100g	9.50
S25148A	500g	35.25

REACTIVE & OXIDIZING

Aluminum Oxide, Anhydrous

Alumina; Al_2O_3

F.W. 101.96

CAS: 1344-28-1

Color: White

Solubility in Water: Insoluble in water

Shelf Life: 5 years

LAB GRADE - POWDER

S25149	100g	13.25
S25149A	500g	19.75

MODERATE HAZARD

Aluminum Potassium Sulfate, Dodecahydrate

Alum; $\text{AlK}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$

F.W. 474.3558

CAS: 7784-24-9

Color: White

Solubility in Water: Partially Soluble

Shelf Life: 5 years

LAB GRADE - POWDER

S25152	30g	5.45
S25152D	500g	9.75
S25152C	2kg	28.25

REAGENT GRADE - POWDER

S25152B	500g	19.75
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MODERATE HAZARD

Aluminum Sodium Sulfate, DodecahydrateAlNa(SO₄)₂

F.W. 458.29

CAS: 10102-71-3

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 5 years

LAB GRADE - CRYSTALS

S25136	500g	16.50
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MODERATE HAZARD

Aluminum Sulfate Solution, 0.1M

Color: Clear

Solubility in Water: Infinite

0.1M

S25841	500mL	7.35
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MODERATE HAZARD

Aluminum Sulfate, HydrateAl₂(SO₄)₃·18H₂O

F.W. 666.42

CAS: 7784-31-8

Color: Solid

Solubility in Water: Infinite

Shelf Life: 5 years

LAB GRADE

S25137	500g	10.75
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S25137A	2kg	25.00
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MODERATE HAZARD

Aluminum, Powder

Al

F.W. 26.98

CAS: 7429-90-5

Color: Silver to gray

Solubility in Water: Insoluble

Shelf Life: 2 years

Reacts with water or moisture

REAGENT GRADE - POWDER

S25144	100g	15.75
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S25144A	500g	38.00
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FLAMMABLE

Ammonia Solution

Ammonium hydrate

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 5 years

SOLUTION

S25164	500mL	8.65
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S25164A	1L	8.25
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S25164B	1 gal.	12.25
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MODERATE HAZARD

Ammonium AcetateAcetic Acid, Ammonium Salt; NH₄C₂H₃O₂

F.W. 77.08

CAS: 631-61-8

Color: White

Solubility in Water: Soluble in cold water

Shelf Life: 2 years

REAGENT GRADE

S25165*	500g	28.50
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MODERATE HAZARD

Ammonium Carbonate(NH₄)₂CO₃

F.W. 96.07

CAS: 506-87-6

Color: Colorless/White

Solubility in Water: Soluble

Shelf Life: 5 years

LAB GRADE - CHIPS

S25166	100g	11.75
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S25166A	500g	27.50
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S25167	500g	17.75
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MODERATE HAZARD

Ammonium ChlorideSal Ammoniac; NH₄Cl

F.W. 53.49

CAS: 12125-02-9

Color: White

Solubility in Water: Partly Soluble

Shelf Life: 5 years

LAB GRADE

S25168B	500g	8.30
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S25168C	2kg	21.50
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S25168A	500g	14.25
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S25168	100g	6.90
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MODERATE HAZARD

Ammonium Chloride Solution, 1M

Color: Clear

Solubility in Water: Infinite

1M

S25842	500mL	8.50
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MODERATE HAZARD

Ammonium DichromateAmmonium Bichromate; (NH₄)₂Cr₂O₇

F.W. 252.06

CAS: 7789-09-5

Color: Orange to red

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 5.1, II: Oxidizer

LAB GRADE - CRYSTAL

S25169*	100g	8.20
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S25169A*	500g	26.25
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S25169B*	2kg	44.50
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REACTIVE & OXIDIZING

Ammonium Hydroxide Solution, 1MAmmonium Hydrate; NH₄OH

F.W. 35.04

CAS: 1336-21-6

Color: Clear, colorless

Solubility in Water: Infinite

Shelf Life: 5 years

DOT Class 8, III: Corrosive

REAGENT GRADE

S25159A	2.5L	47.25
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S25159	500mL	15.00
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CORROSIVE

Ammonium Hydroxide Solution, 0.1M

Color: Clear

Solubility in Water: Infinite

0.1M

S25843	1L	12.75
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MODERATE HAZARD

Ammonium Hydroxide Solution, 1MAmmonium Hydrate; NH₄OH

F.W. 35.04

Color: Clear, colorless

Solubility in Water: Infinite

Shelf Life: 2 years

DOT Class 8, III: Corrosive

1M

S25170	500mL	7.75
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CORROSIVE

Ammonium Hydroxide Solution, 3M

Color: Clear

Solubility in Water: Infinite

DOT Class 8, III: Corrosive

3M

S25844	500mL	7.75
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CORROSIVE

Ammonium Molybdate, TetrahydrateAmmonium Heptamolybdate Tetrahydrate; (NH₄)₆Mo₇O₂₄·4H₂O

F.W. 1235.86

CAS: 12027-67-7

Color: White

Solubility in Water: Soluble in water

Shelf Life: 5 years

ACS GRADE

S25171	100g	31.75
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MODERATE HAZARD

Ammonium NitrateNitric Acid Ammonium Salt; NH₄NO₃

F.W. 80.04

CAS: 6484-52-2

Color: White

Shelf Life: 2 years

DOT Class 5.1, III: Oxidizer

Explosive under high temperatures

ACS GRADE

S25172	500g	22.25
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S25173	100g	7.60
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S25160	500g	12.50
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REACTIVE & OXIDIZING

HEALTH HAZARD

Ammonium Oxalate, MonohydrateOxalic Acid; (NH₄)₂C₂O₄·H₂O

F.W. 142.11

CAS: 6009-70-7

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 6.1, III: Poison

LAB GRADE - CRYSTAL

S25174	100g	16.25
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S25174A	500g	42.00
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Ammonium PersulfateAmmonium Peroxydisulfate; $(\text{NH}_4)_2\text{S}_2\text{O}_8$

F.W. 228.19

CAS: 7727-54-0

Color: White

Solubility in Water: Soluble in water

Shelf Life: 5 years

DOT Class 5.1, III: Oxidizer

POWDER

S25178	100g	9.30
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REACTIVE & OXIDIZING**Ammonium Phosphate, Dibasic**Diammonium Hydrogen Phosphate; $(\text{NH}_4)_2\text{HPO}_4$

F.W. 132.06

CAS: 7783-28-0

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

REAGENT GRADE

S25175A	100g	9.10
S25175	500g	22.75

MODERATE HAZARD**Ammonium Phosphate, Monobasic**Ammonium dihydrogen phosphate; $\text{NH}_4\text{H}_2\text{PO}_4$

F.W. 115.03

CAS: 7722-76-1

Color: White

Solubility in Water: Soluble in water

Shelf Life: 5 years

LAB GRADE - POWDER

S25153	100g	2.80
S25153A	500g	24.00

MODERATE HAZARD**Ammonium Sulfate**Diammonium Sulfate; $(\text{NH}_4)_2\text{SO}_4$

F.W. 132.14

CAS: 7783-20-2

Color: White

Solubility in Water: Soluble in water

Shelf Life: 5 years

REAGENT GRADE

S25176	100g	6.50
S25176A	500g	14.50

MODERATE HAZARD**Ammonium Thiocyanate**Ammonium Sulfocyanate; NH_4SCN

F.W. 76.12

CAS: 1762-95-4

Color: White

Solubility in Water: Freely soluble

Shelf Life: 5 years

DOT Class 9, III: Miscellaneous

LAB GRADE - CRYSTALLINE POWDER

S25158	500g	34.50
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REAGENT GRADE - CRYSTALLINE POWDER

S25177	100g	13.00
S25154	500g	34.50

HEALTH HAZARD**n-Amyl Alcohol**n-Pentanol; $\text{CH}_3(\text{CH}_2)_4\text{OH}$

F.W. 88.15

CAS: 71-41-0

Color: Clear, colorless

Solubility in Water: Slightly soluble

Shelf Life: 5 years

DOT Class 3, III: Flammable Liquid

SOLUTION

S25181	500mL	23.50
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FLAMMABLE **α -Amylase**

alpha-Amylase

CAS: 9000-90-2

Color: White-yellow

Shelf Life: 5 years

S25135A	5g	9.80
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S25135B	10g	16.00
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S25135	25g	20.25
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MODERATE HAZARD**Aniline** $\text{C}_6\text{H}_5\text{NH}_2$

F.W. 93.13

CAS: 62-53-3

Color: Light yellow

Solubility in Water: Slightly

Shelf Life: One year

DOT Class 6.1, II: Poison

SOLUTION

S25179*	100mL	24.00
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HEALTH HAZARD**Antacid, Effervescent**

CAS: 471-34-1

Shelf Life: 2 years

TABLET

S25180	24 Pk	17.75
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MODERATE HAZARD**Antimony**

Stibium; Sb

F.W. 121.75

CAS: 7440-36-0

Color: Silver white

Solubility in Water: Insoluble in water

Shelf Life: 5 years

SOLID

S25182	25g	9.30
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MODERATE HAZARD**Antimony, Trichloride**Antimony (III) Chloride; SbCl_3

F.W. 228.11

CAS: 10025-91-9

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 8, II: Corrosive

CRYSTALS

S25183	100g	13.00
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CORROSIVE**D-Arabinose** $\text{C}_5\text{H}_{10}\text{O}_5$

F.W. 150.13

CAS: 28697-53-2

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

SOLID

S25650	25g	82.00
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MODERATE HAZARD**L-Arabinose** $\text{C}_5\text{H}_{10}\text{O}_5$

F.W. 150.13

CAS: 5328-37-0

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

POWDER

S25651	25g	153.00
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MODERATE HAZARD**L-Arginine**Arginine; $\text{C}_6\text{H}_{14}\text{N}_4\text{O}_2$

F.W. 174.12

CAS: 74-79-3

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

POWDER

S25656	5g	15.50
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MODERATE HAZARD**Ascorbic Acid**L-Ascorbic Acid; $\text{C}_6\text{H}_8\text{O}_6$

F.W. 176.13

CAS: 50-81-7

Color: White to yellow

Solubility in Water: Soluble

Shelf Life: 2 years

REAGENT GRADE - POWDER CRYSTALS

S25184	100g	15.50
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MODERATE HAZARD**L-Asparagine**Aspartic Acid; $\text{C}_4\text{H}_8\text{N}_2\text{O}_3\cdot\text{H}_2\text{O}$

F.W. 150.14

CAS: 5794-13-8

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

POWDER

S25653	25g	26.50
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MODERATE HAZARD**L-Aspartic Acid**Aspartic Acid; $\text{C}_4\text{H}_7\text{NO}_4$

F.W. 133.05

CAS: 56-84-8

Color: Colorless to White

Solubility in Water: Slightly soluble

Shelf Life: 5 years

SOLID

S25649	100g	34.50
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MODERATE HAZARD* California - WARNING: Cancer www.P65Warnings.ca.gov** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Baking Powder

Color: White
Shelf Life: 5 years

MODERATE HAZARD

POWDER		
S25185	100g	4.30

Barium Carbonate

Barium Dichloride; BaCO₃

F.W. 197.37
CAS: 513-77-9

HEALTH HAZARD

Color: White
Solubility in Water: Water insoluble
Shelf Life: 5 years
DOT Class 6.1, III: *Poison*

POWDER		
S25186	100g	22.50

Barium Chloride, Dihydrate

Barium Dichloride; BaCl₂·2H₂O

F.W. 244.28
CAS: 10326-27-9

HEALTH HAZARD

Color: White
Solubility in Water: Soluble in water
Shelf Life: 5 years
DOT Class 6.1, III: *Poison*

REAGENT GRADE		
S25187	500g	26.25
S25187A	2kg	62.00

Barium Hydroxide, Octahydrate

Ba(OH)₂·8H₂O

F.W. 315.48
CAS: 12230-71-6

CORROSIVE

Color: White
Shelf Life: One year
DOT Class 8, III: *Corrosive*

LAB GRADE		
S25189	500g	29.50
REAGENT GRADE		
S25188	100g	12.50
S25188A	500g	29.50

Barium Nitrate

Barium Dinitrate; Ba(NO₃)₂

F.W. 261.34
CAS: 10022-31-8

REACTIVE & OXIDIZING

Color: White
Solubility in Water: Moderate
Shelf Life: 5 years
DOT Class 5.1, II: *Oxidizer*

LAB GRADE		
S25190A	500g	13.75
REAGENT GRADE		
S25190	100g	8.25
S25190B	500g	21.50

Barium Nitrate Solution, 0.1M

Color: Clear
Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M		
S25845	500mL	5.65

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Barium Sulfate

Artificial Barite; BaSO₄

F.W. 233.40
CAS: 7727-43-7

MODERATE HAZARD

Color: White to yellow
Solubility in Water: Insoluble
Shelf Life: 5 years

LAB GRADE		
S25191A	500g	16.50

Basic 10 Stain Kit

Aqueous; Contains set of 10 stains, 30mL each

PLASTIC BOTTLES

S25575	1 kit: 10	40.75
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Beef Extract

CAS: 68990-09-0

Color: Brown/black
Solubility in Water: Soluble
Shelf Life: 2 years

MODERATE HAZARD

POWDER		
S25661	25g	14.50
S25661A	100g	30.50

Beeswax

CAS: 8012-89-3

Color: White to yellow
Solubility in Water: Insoluble
Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25192	100g	14.25
S25192A	500g	31.25

Benedict's Solution, Qualitative

Color: Clear blue
Shelf Life: 2 years

MODERATE HAZARD

SOLUTION		
S25193	500mL	6.70
S25193A	1L	12.25
S25193B	3.8L	39.25

Benedict's Solution, Quantitative

Color: Clear
Solubility in Water: Completely soluble
Shelf Life: 2 years

MODERATE HAZARD

SOLUTION		
S25194	1L	22.25
S25194A	3.8L	51.50

Benzoic Acid

Benzenemethanoic Acid; C₆H₅COOH

F.W. 122.12
CAS: 65-85-0

MODERATE HAZARD

Color: White
Solubility in Water: Soluble
Shelf Life: 5 years

LAB GRADE - POWDER		
S25195	500g	17.50

Benzoin

Desyl Alcohol; C₆H₅CH(OH)COC₆H₅

F.W. 212.25
CAS: 579-44-2

MODERATE HAZARD

Color: Light Yellow
Solubility in Water: Slightly soluble in water
Shelf Life: 5 years

POWDER		
S25667	10g	11.00

Benzophenone

Diphenyl Ketone; (C₆H₅)₂CO

F.W. 182.22
CAS: 119-61-9

HEALTH HAZARD

Color: White
Solubility in Water: Insoluble in water
Shelf Life: 2 years
DOT Class 9, III: *Miscellaneous*

SOLID		
S25664*	10g	10.75
S25664B*	100g	23.50

Benzoyl Peroxide

Benzoic Acid Peroxide; (C₆H₅CO)₂O₂

F.W. 242.23
CAS: 94-36-0

REACTIVE & OXIDIZING

Color: White
Solubility in Water: Slightly in water
Shelf Life: 2 years
DOT Class 5.2, II: *Organic Peroxide*

POWDER		
S25672	25g	28.75

Benzyl Alcohol

Benzenemethanol; C₆H₅CH₂OH

F.W. 108.14
CAS: 100-51-6

MODERATE HAZARD

Color: Clear Colorless
Solubility in Water: Slightly soluble
Shelf Life: 2 years

SOLUTION		
S25666	100mL	17.00
S25666A	500mL	57.25

Bile Salts

Ox Bile

Color: Yellow-green
Solubility in Water: Soluble in water
Shelf Life: 2 years

MODERATE HAZARD

SOLID		
S25196	25g	13.75

Bismark Brown Y

Basic Brown 1

F.W. 419.32
CAS: 10114-58-6

MODERATE HAZARD

Color: Light brown to brown
Solubility in Water: Soluble
Shelf Life: 5 years

SOLID		
S25671	10g	25.00

Bismuth

Bi
F.W. 208.98
CAS: 7440-69-9
Color: Silver/white or red
Solubility in Water: Insoluble in water
Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25197	25g	16.00
S25197A	100g	29.75

Bismuth Nitrate

Bismuth (III) Nitrate, Pentahydrate; $\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$
F.W. 485.11
CAS: 10035-06-0
Color: White
Shelf Life: One year

REACTIVE & OXIDIZING

DOT Class 5.1, II: Oxidizer

LAB GRADE - CRYSTALS		
S25198A	25g	26.00
S25198B	100g	47.75

Biuret

Imidodicarbonic Diamide; $\text{NH}_2\text{CONHCONH}_2$
F.W. 103.08
CAS: 108-19-0
Color: White
Solubility in Water: Soluble
Shelf Life: 2 years

MODERATE HAZARD

SOLID		
S25199	50g	13.75

Biuret Reagent

Color: Clear blue
Solubility in Water: Infinite
Shelf Life: 2 years
DOT Class 8, III: Corrosive

CORROSIVE

For protein test

SOLUTION		
S25200	100mL	2.35
S25200A	500mL	7.50
S25200B	1L	11.25

Boiling Chips, Marble

Limestone
F.W. 100.09
CAS: 471-34-1
Color: Gray to tan
Solubility in Water: Insoluble
Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25201	100g	4.50
S25201A	500g	6.50
S25201C	2kg	12.50

Boiling Chips, Marble

Limestone
F.W. 1.9
CAS: 480-40-0
Color: Gray to tan
Solubility in Water: Insoluble
Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25201B	500g	4.30

Boric Acid

Boracic Acid; H_3BO_3
F.W. 61.83
CAS: 10043-35-3
Color: White
Solubility in Water: Partly soluble in water
Shelf Life: 5 years

MODERATE HAZARD

LAB GRADE		
S25202	100g	13.00
REAGENT GRADE		
S25202A	100g	8.20
S25202B	500g	19.75

Brass

Brass Alloy
Color: Red/gold metallic
Solubility in Water: Negligible
Shelf Life: 5 years

MODERATE HAZARD

SHEET - 30 GAUGE		
S25660	Ea.	46.25

Brass Shot

Color: Yellowish
Shelf Life: 5 years

MODERATE HAZARD

METAL		
S25663	100g	16.00

Brewer's Yeast

CAS: 68876-77-7
Color: Yellow-white to yellow-orange
Solubility in Water: 20% in water
Shelf Life: 2 years

MODERATE HAZARD

SOLID		
S25631	100g	20.50

Brilliant Cresyl Blue

F.W. 400.97
CAS: 81029-05-2
Color: Dark blue
Shelf Life: 5 years

MODERATE HAZARD

POWDER		
S25669	1g	25.25

Brilliant Cresyl Blue Staining Solution

Brilliant Blue G
Color: Clear blue
Solubility in Water: Soluble
Shelf Life: 18 months

MODERATE HAZARD

SOLUTION		
S25668	100mL	20.25

Brilliant Green

Malachite Green G
F.W. 482.64
CAS: 633-03-4
Color: Green
Solubility in Water: Moderately soluble in water
Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25670	10g	19.25

Bromocresol Green Solution

BCG
Color: Green
Solubility in Water: Infinite
Shelf Life: 18 months

MODERATE HAZARD

0.04% W/V SOLUTION		
S25846	100mL	4.15
S25205	500mL	16.50

Bromocresol Purple Indicator Solution, 0.04%

Color: Red
Solubility in Water: Infinite
Shelf Life: 18 months

MODERATE HAZARD

0.04%		
S25847	100mL	3.90

Bromine Water

Color: Clear, orange
Solubility in Water: Soluble
Shelf Life: 5 years
DOT Class 8(6.1), I: Corrosive

CORROSIVE

SOLUTION		
S25203	500mL	99.00

Bromobenzene

Bromobenzol; $\text{C}_6\text{H}_5\text{Br}$
F.W. 157.01
CAS: 108-86-1

FLAMMABLE

Color: Clear Colorless
Solubility in Water: Insoluble
Shelf Life: 5 years
DOT Class 3, III: Flammable Liquid

SOLUTION		
S25665	50mL	22.50
S25665A	100mL	41.75



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Bromocresol GreenBCG; C₂₁H₁₃Br₄NaO₃S

F.W. 720.00

CAS: 62625-32-5

Color: Brown

Solubility in Water: Soluble in water

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25204	5g	37.25
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BromoformMethyl Tribromide; CHBr₃

F.W. 252.73

CAS: 75-25-2

Color: Clear Colorless

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 6.1, III: *Poison*

HEALTH HAZARD

SOLUTION

S25659*	25g	37.00
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Bromothymol Blue Solution, 0.04%

Color: Dark Green

Solubility in Water: Infinite

Shelf Life: 18 months

MODERATE HAZARD

0.04%

S25207	10mL	4.90
S25207A	100mL	5.45
S25207B	500mL	7.25
S25207C	1L	8.50

Bromothymol Blue, Sodium SaltC₂₇H₂₇Br₂O₃Na

F.W. 646.04

CAS: 34722-90-2

Color: Orange to black

Solubility in Water: Infinite

Shelf Life: 5 years

MODERATE HAZARD

REAGENT GRADE

S25206	5g	23.00
S25206A	10g	28.00

Bromphenol Blue Indicator Solution, 0.04%

Color: Dark Red-Purple

Solubility in Water: Infinite

MODERATE HAZARD

0.04%

S25848	100mL	3.90
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1-ButanolN-Butyl Alcohol; CH₃(CH₂)₂CH₂OH

F.W. 74.12

CAS: 71-36-3

Color: Clear, colorless

Solubility in Water: Moderate

Shelf Life: 2 years

DOT Class 3, III: *Flammable Liquid*

FLAMMABLE

REAGENT GRADE

S25209	100mL	10.25
S25209A	500mL	17.50
S25209B	4L	67.25

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Not approved for clinical use.

tert-Butanol2-Methyl-2-Propanol; (CH₃)₃COH

F.W. 74.12

CAS: 75-65-0

Color: Clear, Colorless

Shelf Life: 2 years

DOT Class 3, II: *Flammable Liquid*

FLAMMABLE

LIQUID

S25210A	100mL	9.45
S25210B	500mL	24.25

tert-Butyl Chloride(CH₃)₃CCl

F.W. 92.57

CAS: 507-20-0

Color: Clear, Colorless

Shelf Life: 5 years

DOT Class 2, III: *Flammable Liquid*

FLAMMABLE

LIQUID

S25672A	25mL	28.25
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Sec-Butyl Alcohol2-Butanol; CH₃CHOHCH₂CH₃

F.W. 74.12

CAS: 78-92-2

Color: Clear, colorless

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 3, III: *Flammable Liquid*

FLAMMABLE

SOLUTION

S25662	100mL	8.05
S25662A	500mL	16.50

Butylated Hydroxy TolueneBHT; ((CH₃)₃C)₂CH₃C₆H₄OH

F.W. 220.35

CAS: 128-37-0

Color: White to semi-transparent

Solubility in Water: Insoluble in water

Shelf Life: 2 years

DOT Class 9, III: *Miscellaneous*

HEALTH HAZARD

GRANULES

S25212A	100g	15.25
S25212	500g	30.50

Butyric AcidN-Butanoic Acid; CH₃CH₂CH₂COOH

F.W. 88.11

CAS: 107-92-6

Color: Clear, colorless

Solubility in Water: Miscible with almost all common organics

Shelf Life: 5 years

DOT Class 8, III: *Corrosive*

CORROSIVE

LAB GRADE

S25211	100mL	19.50
S25211A	500mL	40.75

Cadmium Metal

Cd

F.W. 112.40

CAS: 7440-43-9

Color: Silver white

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 6.1, I: *Poison*

HEALTH HAZARD

SOLID

S25213***	100g	12.50
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Cadmium Nitrate, TetrahydrateCd(NO₃)₂·4H₂O

F.W. 308.49

CAS: 10022-68-1

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 5.1, II: *Oxidizer*

REACTIVE & OXIDIZING

SOLID

S25214***	25g	7.35
S25214A***	100g	20.25
S25214B***	500g	71.75

CaffeineAlkaloid; C₈H₁₀N₄O₂

F.W. 194.19

CAS: 58-08-2

Color: White

Solubility in Water: Slightly soluble in water

Shelf Life: 2 years

DOT Class 6.1, III: *Poison*

HEALTH HAZARD

LAB GRADE

S25215	25g	11.25
S25215A	100g	29.00

Calcium

Calcium; Ca

F.W. 40.08

CAS: 7440-70-2

Color: Silver white

Solubility in Water: Reacts with water

Shelf Life: 2 years

DOT Class 4.3, II: *Dangerous When Wet*

Reacts with water or moisture

FLAMMABLE

REAGENT GRADE - GRANULAR

S25216	25g	16.25
S25216A	500g	78.00

REAGENT GRADE - TURNINGS

S25217	25g	17.00
S25217A	100g	22.25
S25217B	500g	70.75

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Calcium Acetate, Monohydrate

Calcium Ethanoate; Ca(C₂H₃O₂)₂·H₂O

F.W. 176.13

CAS: 5743-26-0

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

LAB GRADE

S25218	100g	7.15
S25218A	500g	15.50

Calcium Carbide

CaC₂

F.W. 64.08

CAS: 75-20-7

Color: Black-gray

Solubility in Water: Insoluble

Shelf Life: 1 year

DOT Class 4.3, II: *Dangerous When Wet*

Reacts with water or moisture

FLAMMABLE

LAB GRADE

S25219	100g	10.00
S25219A	500g	18.50

Calcium Carbonate

CaCO₃

F.W. 100.09

CAS: 471-34-1

Color: White

Solubility in Water: Slightly

Shelf Life: 5 years

MODERATE HAZARD

NATURAL CHALK - SOLID

S25220B	500g	10.50
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REAGENT GRADE - SOLID

S25220	100g	7.60
S25220A	500g	11.25
S25220C	2.5kg	23.00

Calcium Chloride, Anhydrous

Dowflake; CaCl₂

F.W. 110.99

CAS: 10043-52-4

Color: Beige

Solubility in Water: Soluble in water

Shelf Life: 1 year

MODERATE HAZARD

SOLID

S25223	500g	7.75
S25223A	2kg	17.50

Calcium Chloride, Dihydrate

CaCl₂·2H₂O

F.W. 147.02

CAS: 10035-04-8

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

LAB GRADE - FLAKES

S25221	100g	1.85
S25221A	500g	6.05

LAB GRADE - POWDER

S25222	100g	8.90
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REAGENT GRADE

S25222A	500g	21.75
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Calcium Hydroxide

Slaked lime; Ca(OH)₂

F.W. 74.09

CAS: 1305-62-0

Color: Off-white

Solubility in Water: Slightly soluble

Shelf Life: 1 year

DOT Class 8, III: *Corrosive*

CORROSIVE

LAB GRADE

S25225	500g	9.95
S25225A	1.5kg	18.00

REAGENT GRADE

S25224	500g	16.00
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Calcium Nitrate, Tetrahydrate

Nitric Acid, Calcium Salt, Tetrahydrate; Ca(NO₃)₂·4H₂O

F.W. 236.16

CAS: 13477-34-4

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 5.1, III: *Oxidizer*

REACTIVE & OXIDIZING

REAGENT GRADE

S25226	100g	9.95
S25226A	500g	18.75

Calcium Oxide

Quicklime; CaO

F.W. 56.08

CAS: 1305-78-8

Color: White to yellow-very slightly beige

Solubility in Water: Reacts with water

Shelf Life: 12 months

DOT Class 8, III: *Corrosive*

CORROSIVE

LAB GRADE - POWDER

S25227	100g	7.15
S25227A	500g	19.50

Calcium Phosphate Monobasic, Monohydrate

Ca(H₂PO₄)₂·H₂O

F.W. 252.07

CAS: 10031-30-8

Color: Colorless

Solubility in Water: Partially soluble

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25228	100g	11.25
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Calcium Sulfate, Dihydrate

Calcium (II) Sulfate; CaSO₄·2H₂O

F.W. 172.17

CAS: 10101-41-4

Color: White

Shelf Life: 5 years

MODERATE HAZARD

REAGENT GRADE - POWDER

S25230	100g	14.50
S25230A	500g	26.75

Calcium Sulfate, Hemihydrate

Plaster of Paris; CaSO₄·1/2H₂O

F.W. 145.15

CAS: 10034-76-1

Color: White with a blue, gray or red hue

Solubility in Water: 0.2% in water

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25231	500g	6.85
S25231A	2.5kg	18.25
S25231B	10kg	72.75

Calmagite

C₁₇H₁₄N₂O₅S

F.W. 358.38

CAS: 3147-14-6

Color: Black

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 8, III: *Corrosive*

CORROSIVE

SOLID

S25674	5g	33.00
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Camphor

2-Bornanone; C₁₀H₁₆O

F.W. 152.25

CAS: 76-22-2

Color: White

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 4.1, III: *Flammable Solid*

FLAMMABLE

LAB GRADE

S25232	25g	8.65
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REAGENT GRADE

S25232A	100g	14.25
S25232B	500g	21.25

Carbol Fuchsin Solution, 0.3%

Ziehl-Neelsen

Color: Opaque Red

Solubility in Water: Completely soluble

Shelf Life: 18 months

DOT Class 3 (6.1), III: *Flammable Liquid*

FLAMMABLE

0.30%

S25233***	100mL	10.00
S25233A***	500mL	24.25

Carbonic Acid Solution, pH 5.7

Simulated Acid Rain; H₂CO₃

Color: Clear, colorless

Shelf Life: 2 years

MODERATE HAZARD

SOLUTION

S25234*	500mL	12.75
S25234A*	4L	20.75



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Carborundum

Silicon Carbide

F.W. 40.09

CAS: 409-21-2

Color: Colorless to black

Solubility in Water: Insoluble in water

Shelf Life: 5 years

SOLID		
S25235	100g	4.30
S25235A	250g	8.55

MODERATE HAZARD

Carmine

Aluminum Lake

F.W. 184.14

CAS: 1390-65-4

Color: Rose/red

Shelf Life: 5 years

SOLID		
S25236	10g	39.25

MODERATE HAZARD

Carnoy's Solution

Carnoy-Lebrun Solution (Fixative)

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 3 (6.1), III: Flammable Liquid

10% W/V		
S25237	100mL	12.75

FLAMMABLE

Casein

Milk Protein

CAS: 9000-71-9

Color: White

Solubility in Water: Slightly soluble

Shelf Life: 2 years

SOLID		
S25238	100g	13.50

MODERATE HAZARD

Catalase (20,000 Units per Gram)

Caperase

CAS: 9001-05-2

Color: White to tan

Shelf Life: 1 year

POWDER		
S25239	40mg	9.60
S25239A	1g	38.00

MODERATE HAZARD

Catechol

1,2-Dihydroxybenzene; C₆H₄(OH)₂

F.W. 290.27

CAS: 225937-10-0

Color: White to brown

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 6.1, III: Poison

SOLID		
S25680	1g	34.00

HEALTH HAZARD

Cedarwood Oil

Oil Cedar

CAS: 8000-27-9

Color: Colorless to light yellow

Solubility in Water: Negligible

Shelf Life: 5 years

VISCIOUS SOLUTION		
S25240A	100mL	16.00

MODERATE HAZARD

Cellulase

Cellulase Enzyme

CAS: 9012-54-8

Color: Light tan

Solubility in Water: Soluble

Shelf Life: 5 years

POWDER		
S25241	25g	43.50

MODERATE HAZARD

Cellulose

Cellulose, Microcrystalline

F.W. 162.14

CAS: 9004-34-6

Color: White

Solubility in Water: Insoluble

Shelf Life: 5 years

LAB GRADE		
S25241A	500g	50.50

MODERATE HAZARD

Cereal Grass Medium

For cultivation of protozoa.

Contains dehydrated cereal grass leaves with natural vitamins A, B, C, & K.

DOT: Non-regulated

POWDER		
S25242	100g	18.25
S25242A	500g	24.00

MODERATE HAZARD

Cetyl Alcohol

1-Hexadecanol; CH₃(CH₂)₁₄CH₂OH

F.W. 242.43

CAS: 36653-82-4

Color: White

Solubility in Water: Insoluble in water

Shelf Life: 5 years

SOLID		
S25675	100g	13.50
S25675A	500g	32.75

MODERATE HAZARD

Charcoal

Activated Carbon; C

F.W. 12.01

CAS: 7440-44-0

Color: Black

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 4.2, III: Spontaneously Combustible

ACTIVATED CHARCOAL		
S25246	500g	27.25
BONE POWDER		
S25243	500g	30.00
DECOLORIZING AGENT		
S25245	250g	28.00
WOOD LUMP		
S25244	500g	40.25

FLAMMABLE

Chlorine Water

Chlorine Test Solution

Color: Pale yellow

Solubility in Water: Soluble in water

Shelf Life: 6 months

DOT Class 8, III: Corrosive

SOLUTION		
S25247	1L	12.00

CORROSIVE

Chloroform

Trichloromethane; CHCl₃

F.W. 119.38

CAS: 67-66-3

Color: Clear

Solubility in Water: Slightly soluble

Shelf Life: 2 years

DOT Class 6.1, III: Poison

REAGENT GRADE		
S25248***	100mL	10.25

HEALTH HAZARD

Chlorophyllin

Na, K, Cu, Chlorophyll Salts

F.W. 724.15

Color: Dark Green

Solubility in Water: Soluble

Shelf Life: 5 years

SOLID		
S25676	5g	41.75

MODERATE HAZARD

Cholesterol

(3β)-Choles-5En-3-Ol; C₂₇H₄₆O

F.W. 385.31

CAS: 57-88-5

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

SOLID		
S25677	25g	41.00

MODERATE HAZARD

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Chromatography Solvent

Petroleum Ether

Color: Clear

Solubility in Water: Insoluble

Shelf Life: 2 years

DOT Class 3, II: *Flammable Liquid*

FLAMMABLE

LIQUID		
S25253	500mL	17.75

Chromium

Chrom; Cr

F.W. 52.00

CAS: 7440-47-3

Color: Silver-gray

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25249	25g	13.00
S25249A	100g	20.00

Chromium (II) Potassium Sulfate

Chrom Alum Dodecahydrate; $\text{CrK}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$

F.W. 499.43

CAS: 7788-99-0

Color: Metallic purple

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

LAB GRADE		
S25252	100g	22.25
REAGENT GRADE		
S25252A	500g	16.50

Chromium (III) Oxide

Chromic Oxide; Cr_2O_3

F.W. 151.99

CAS: 1308-38-9

Color: Green

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25251	100g	18.50

Chromium Nitrate Solution, 0.1M

Color: Gray, Purple

Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M		
S25850	500mL	12.00

Chromium Nitrate, Nonahydrate

Chromic Nitrate Nonahydrate; $\text{Cr}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$

F.W. 400.18

CAS: 7789-02-8

Color: Purple

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 5.1, III: *Oxidizer*

REACTIVE & OXIDIZING

REAGENT GRADE		
S25250	100g	17.50
S25250A	500g	45.75

Citric Acid, Anhydrous

β -Hydroxytricarboxylic Acid; $\text{C}_6\text{H}_8\text{O}_7$

F.W. 192.13

CAS: 77-92-9

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

LAB GRADE		
S25255	100g	8.90
S25255A	500g	14.75

Citric Acid, Monohydrate

2-Hydroxy-1,2,3-Propanetricarboxylic Acid Monohydrate; $\text{C}_6\text{H}_8\text{O}_7 \cdot \text{H}_2\text{O}$

F.W. 210.15

CAS: 5949-29-1

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

SOLID		
S25254	100g	7.10
S25254A	500g	26.00

Clayton Yellow

Thiazol Yellow G

F.W. 695.73

CAS: 1829-00-1

Color: Tan

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25678	10g	24.25

Cobalt

Co

F.W. 58.93

CAS: 7440-48-4

Color: Gray

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25256*	100g	80.00

Cobalt Nitrate Solution, 0.1M

Color: Pink

Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M		
S25852	500mL	6.20

Cobalt Nitrate Solution, 1M

Color: Clear pink

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

1M		
S25259	50mL	8.40

Cobalt Oxide

Cobalt (II, III) Oxide; Co_3O_4

F.W. 240.80

CAS: 1308-06-1

Color: Gray/black

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

POWDER		
S25258	100g	20.25

Cobalt(ous) Chloride, Hexahydrate Solution, 0.1M

Color: Clear, pink-purple

Solubility in Water: Soluble in water

Shelf Life: 2 years

MODERATE HAZARD

0.1M		
S25851	500mL	6.00

Cobalt(ous) Chloride, Hexahydrate Solution, 1M

Color: Clear, pink-purple

Solubility in Water: Soluble in water

Shelf Life: 2 years

MODERATE HAZARD

1M		
S25260	500mL	18.75

Cobalt(ous) Chloride, Hexahydrate

Cobalt(II) Chloride Hexahydrate; $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$

F.W. 237.95

CAS: 7791-13-1

Color: Purple

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 8, III: *Corrosive*

CORROSIVE

LAB GRADE		
S25257	100g	18.00
REAGENT GRADE		
S25257A	100g	18.75

Cobalt(ous) Nitrate, Hexahydrate

Cobalt(II) Nitrate Hexahydrate; $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$

F.W. 291.05

CAS: 10026-22-9

Color: Red

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 5.1, II: *Oxidizer*

REACTIVE & OXIDIZING

LAB GRADE		
S25261A	100g	28.50
REAGENT GRADE		
S25261	100g	20.50
S25261B	500g	63.00



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Coconut Oil

Copra Oil

CAS: 8001-31-8

Color: White to pale yellow

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25263	500g	10.75

Congo Red, 0.1% Aqueous Solution

Color: Clear, red

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

0.10%		
S25265	100mL	5.70

Congo Red, Biological Stain, pH IndicatorC.I. Direct Red 28; C₃₂H₂₂N₆Na₂O₆S₂

F.W. 696.67

CAS: 573-58-0

Color: Red-brown

Solubility in Water: Complete

Shelf Life: 5 years

DOT Class 4.1, III: *Flammable*

FLAMMABLE

SOLID		
S25264	25g	19.50

Copper (II) Acetate, MonohydrateCupric Acetate Monohydrate; (CH₃CO₂)₂Cu·H₂O

F.W. 199.65

CAS: 6046-93-1

Color: Blue-green

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 9, III: *Miscellaneous*

HEALTH HAZARD

LAB GRADE		
S25276	100g	22.25
S25276A	500g	47.25

Copper (II) BromideCupric Bromide; CuBr₂

F.W. 223.37

CAS: 7789-45-9

Color: Gray/blue

Solubility in Water: Soluble

Shelf Life: 12 months

MODERATE HAZARD

REAGENT GRADE		
S25277	25g	4.60
S25277A	100g	30.00

Copper (II) CarbonateCupric Carbonate Basic; CuCO₃·Cu(OH)₂

F.W. 221.11

CAS: 12069-69-1

Color: Dark green

Solubility in Water: Insoluble in water

Shelf Life: 5 years

MODERATE HAZARD

POWDER		
S25278	500g	34.50

Copper (II) Chloride Solution, 1M

Cupric Chloride

Color: Light blue-green

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

1M		
S25280	50mL	7.15
S25280A	500mL	35.75

Copper (II) Chloride, AnhydrousCupric Chloride, Anhydrous; CuCl₂

F.W. 134.45

CAS: 7447-39-4

Color: Yellow/brown

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 8, III: *Corrosive*

CORROSIVE

LAB GRADE		
S25281	100g	23.25

Copper (II) Chloride, DihydrateCupric Chloride, Dihydrate; CuCl₂·2H₂O

F.W. 170.48

CAS: 10125-13-0

Color: Blue-green

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 8, III: *Corrosive*

CORROSIVE

LAB GRADE		
S25279B	500g	20.75
S25279C	2kg	81.00

REAGENT GRADE		
S25279	100g	14.25
S25279A	500g	41.25

Copper (II) Nitrate Solution, 1M

Cupric Nitrate Solution

Color: Blue

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

1M		
S25283	500mL	13.25

Copper (II) Nitrate, TrihydrateCupric Nitrate Trihydrate; Cu(NO₃)₂·3H₂O

F.W. 241.60

CAS: 10031-43-3

Color: Blue

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 5.1, II: *Oxidizer*

REACTIVE & OXIDIZING

LAB GRADE		
S25282B	500g	39.75

REAGENT GRADE		
S25282	100g	15.50
S25282A	500g	39.75

Copper (II) Oxide

Cupric Oxide; CuO

F.W. 79.54

CAS: 1317-38-0

Color: Black

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

REAGENT GRADE		
S25284	25g	8.15

Copper (II) Sulfate Solutions

Color: Blue

Solubility in Water: Soluble in water

Shelf Life: 2 years

MODERATE HAZARD

0.1M		
S25853	500mL	5.60

1M		
S25289	500mL	8.55

Copper (II) Sulfate, Pentahydrate, Lab GradeCupric Sulfate; CuSO₄·5H₂O

F.W. 249.68

CAS: 7758-99-8

Color: Blue

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 6.1, III: *Poison*

HEALTH HAZARD

LAB GRADE - CRYSTALS		
S25287A	500g	21.75

LAB GRADE - POWDER		
S25288A	500g	13.00
S25288	2kg	39.00

Copper (II) Sulfate, Pentahydrate, Reagent GradeCupric Sulfate; CuSO₄·5H₂O

F.W. 249.68

CAS: 7758-99-8

Color: Blue

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 6.1, III: *Poison*

HEALTH HAZARD

REAGENT GRADE - CRYSTALS		
S25287	500g	21.25
S25287B	1kg	56.00

REAGENT GRADE - POWDER		
S25286	100g	19.00
S25286A	500g	49.75
S25286B	3kg	72.75

Copper Sulfate, AnhydrousCupric Sulfate; CuSO₄

F.W. 159.61

CAS: 7758-98-7

Color: Light gray

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 6.1, III: *Poison*

HEALTH HAZARD

REAGENT GRADE - POWDER		
S25285	100g	28.50
S25285A	500g	49.75

Chemicals are educational grade and are intended for teaching use only.
Not approved for clinical use.

Copper, Foil

Cu
F.W. 63.54
CAS: 7440-50-8
Color: Red to brown
Solubility in Water: Insoluble
Shelf Life: 5 years

MODERATE HAZARD

METAL FOIL		
S25267	100g	13.75
S25267A	500g	58.00

Copper, Sheet

Cu
F.W. 63.54
CAS: 7440-50-8
Color: Red to brown
Solubility in Water: Insoluble
Shelf Life: 5 years

MODERATE HAZARD

METAL SHEET - 12 x 12"		
S25269	Ea.	94.00

Copper, Solid

Cu
F.W. 63.54
CAS: 7440-50-8
Color: Red to brown
Solubility in Water: Insoluble
Shelf Life: 5 years
DOT Class 4.1, II: *Flammable Solid*

FLAMMABLE

GRANULAR		
S25268	100g	18.50
S25268A	500g	74.75
REAGENT GRADE POWDER		
S25266A	500g	57.50
SHOT		
S25909	500g	49.25

Copper, Strips

Cu
F.W. 63.55
CAS: 7440-50-8
Copper Sulfate
Density: 8.94
7440-50-8
Boiling Point: 2595°C (1981.4°F)
Melting Point: 1083°C (4703°F)

FLAMMABLE

Strips		
S25911	6 x 14 in.	17.00

Copper, Turnings

Cu
F.W. 63.54
CAS: 7440-50-8
Color: Red to brown
Solubility in Water: Insoluble
Shelf Life: 5 years
DOT Class 4.1, II: *Flammable*

FLAMMABLE

METAL TURNINGS		
S25270	100g	17.75

Corn Oil

CAS: 8001-30-7
Color: Yellow
Solubility in Water: Insoluble
Shelf Life: 5 years

MODERATE HAZARD

SOLUTION		
S25271	500mL	8.45

Corn Syrup

Glucose Solution
CAS: 50-99-7
Color: Clear
Solubility in Water: Soluble in water
Shelf Life: 5 years

MODERATE HAZARD

LIQUID		
S25339	500mL	11.25

Cresol Red Solution, 0.02%

Color: Clear, red
Solubility in Water: Infinite
Shelf Life: 18 months

MODERATE HAZARD

S25273	100mL	9.85
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Cresol Red, Sodium Salt

O-Cresolsulfonephthalein
F.W. 404.4
CAS: 62625-29-0
Color: Reddish-brown
Solubility in Water: Soluble
Shelf Life: 5 years

MODERATE HAZARD

POWDER		
S25272	1g	9.60

Crystal Violet Solutions

Gentian Violet
Color: Violet
Solubility in Water: Soluble in water
Shelf Life: 18 months

MODERATE HAZARD

0.5% - GRAM STAIN		
S25275B	500mL	25.75
1%		
S25275A	100mL	8.30
1% - GRAM STAIN		
S25275	100mL	17.75

Crystal Violet, Certified Biological Stain

Gentian Violet; C₂₃H₃₀ClN₃
F.W. 408.00
CAS: 548-62-9
Color: Green
Solubility in Water: Soluble in water
Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25274	1g	3.80
S25274A	10g	14.25
S25274B	25g	12.50

Cyclohexane

Hexahydrobenzene; C₆H₁₂
F.W. 84.15
CAS: 110-82-7
Color: Clear
Solubility in Water: Insoluble in water
Shelf Life: 5 years
DOT Class 3, II: *Flammable Liquid*

FLAMMABLE

REAGENT GRADE		
S25292	500mL	12.50
S25292A	1L	44.00

Cyclohexene

C₆H₁₂
F.W. 82.13
CAS: 110-83-8
Color: Clear, colorless
Solubility in Water: Insoluble
Shelf Life: 2 years
DOT Class 3, II: *Flammable Liquid*

FLAMMABLE

SOLUTION		
S25291	250mL	41.75
S25291A	500mL	59.25

L-Cysteine

Thioserine; Cysteine; HSCH₂CH(NH₂)CO₂H
F.W. 121.16
CAS: 52-90-4
Color: White
Solubility in Water: Soluble in water
Shelf Life: 2 years

MODERATE HAZARD

SOLID		
S25682	5g	19.00

Deoxyribonucleic Acid

DNA
CAS: 9007-49-2
Color: White to off-white
Solubility in Water: Soluble
Shelf Life: 2 years

MODERATE HAZARD

SOLID		
S25294	25g	71.00

Dextrin

Vegetable Gum; (C₆H₁₀O₅)_n
F.W. 162.07
CAS: 9004-53-9
Color: White to off-white
Solubility in Water: Soluble in hot water
Shelf Life: 2 years

MODERATE HAZARD

SOLID		
S25683	500g	13.00

Dextrose, Anhydrous

Glucose; C₆H₁₂O₆

F.W. 180.16

CAS: 50-99-7

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

LAB GRADE

S25295	100g	7.60
S25295A	500g	14.50
S25295B	1kg	20.00

MODERATE HAZARD

Dextrose, Monohydrate

Glucose; C₆H₁₂O₆·H₂O

F.W. 198.18

CAS: 14431-43-7

Color: White

Solubility in Water: soluble

Shelf Life: 2 years

LAB GRADE

S25296	500g	9.95
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MODERATE HAZARD

Diatase of Malt

Maltin

CAS: 9000-92-4

Color: Yellow-white

Solubility in Water: Soluble

Shelf Life: 2 years

LAB GRADE

S25297	25g	11.25
S25297A	100g	30.50

MODERATE HAZARD

Diatomaceous Earth

Silica

CAS: 68855-549

Color: White

Solubility in Water: Insoluble in water

Shelf Life: 2 years

LAB GRADE

S25298	500g	17.50
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MODERATE HAZARD

p-Dichlorobenzene

1,4-Dichlorobenzol; C₆H₄Cl₂

F.W. 147.00

CAS: 106-46-7

Color: White

Solubility in Water: Insoluble

Shelf Life: 2 years

DOT Class 9, III: Miscellaneous

LAB GRADE

S25299*	500g	14.75
S25299A*	1kg	40.75
S25299C*	2.5kg	51.75
S25299B*	3kg	85.00

HEALTH HAZARD

2,6-Dichloroindophenol Sodium Salt

2,6-Dichlorophenol Indophenol Sodium Salt;

NaOC₆H₃(Cl)₂-O

F.W. 290.08

CAS: 620-45-1

Color: Dark Green

Solubility in Water: Partially soluble

Shelf Life: 2 years

POWDER

S25300B	0.036g	8.10
S25300	1g	12.50
S25300A	5g	37.50

MODERATE HAZARD

Dimethylglyoxime

2, 3-Butanedione Dioxime; (CH₃)₂C₂(NOH)₂

F.W. 116.12

CAS: 95-45-4

Color: White to off-white

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 4.1, III: Flammable Solid

REAGENT GRADE

S25301	25g	19.75
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FLAMMABLE

Diphenylamine

(C₆H₅)₂NH

F.W. 169.23

CAS: 122-39-4

Color: Colorless to gray

Shelf Life: 5 years

DOT Class 6.1, III: Poison

REAGENT GRADE

S25302	100g	31.50
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HEALTH HAZARD

Dithizone

Diphenylthiocarbazone; C₁₃H₁₂N₄S

F.W. 256.32

CAS: 60-10-6

Color: Dark Brownish-black

Solubility in Water: Insoluble

Shelf Life: 5 years

SOLID

S25685	2.5g	28.50
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MODERATE HAZARD

Dodecyl Alcohol

Lauryl Alcohol; CH₃(CH₂)₁₁OH

F.W. 186.34

CAS: 112-53-8

Color: White

Solubility in Water: Insoluble in water

Shelf Life: 5 years

DOT Class 9, III: Miscellaneous

SOLID

S25686A	100g	30.50
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HEALTH HAZARD

Drierite™

Calcium Sulfate

F.W. 136.14

CAS: 7778-18-9

Color: Off-white

Shelf Life: 5 years

SOLID

S25684	454g	24.00
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MODERATE HAZARD

EDTA, Disodium Salt

Ethylenediaminetetraacetic Acid, Disodium Salt Dihydrate;

C₁₀H₁₄N₂Na₂O₈·2H₂O

F.W. 372.23

CAS: 6381-92-6

Color: White

Solubility in Water: Soluble in water

Shelf Life: 5 years

REAGENT GRADE

S25687	25g	14.75
S25687A	100g	40.25

MODERATE HAZARD

Eosin Yellow, 1% Alcohol Solution

CAS: 17372-87-1

Color: Orange

Solubility in Water: Infinite

Shelf Life: 18 months

DOT Class 3, II: Flammable Liquid

1%

S25303	100mL	9.65
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FLAMMABLE

Electrode Storage Solution

CAS: 877-24-7

Color: Colorless

Shelf Life: 2 years

SOLUTION

S25907	1L	34.50
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MODERATE HAZARD

Ethyl Acetate

Acetic Acid Ethyl Ester; CH₃COOC₂H₅

F.W. 88.11

CAS: 141-78-6

Color: Clear, colorless

Solubility in Water: Slightly soluble

Shelf Life: 2 years

DOT Class 3, II: Flammable Liquid

ACS GRADE

S25305	500mL	12.50
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FLAMMABLE

* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

Chemicals are educational grade and are intended for teaching use only.
 Not approved for clinical use.

Ethyl AlcoholEthanol; C₂H₅OH

F.W. 46.07

CAS: 64-17-5

Color: Clear, colorless

Solubility in Water: Slightly soluble

Shelf Life: 5 years

DOT Class 3, II: *Flammable Liquid*

70% DENATURED W/MIBK		
S25306	500mL	8.85
S25306A	4L	26.00
95% DENATURED W/IPA AND METHANOL		
S25309D	500mL	6.50
S25309E	4L	61.50
95% DENATURED W/MIBK		
S25310	500mL	10.50
S25310A	3.8L	43.25
ANHYDROUS, DENATURED W/MIBK		
S25307	500mL	7.55
S25307A	1L	18.00
S25307B	4L	39.50
ANHYDROUS, DENATURED, W/IPA AND METHANOL		
S25308**	1L	24.50
S25308A**	20L	161.00
LAB GRADE - 95% DENATURED W/IPA AND METHANOL		
S25309	500mL	6.50
S25309C	1L	11.75
S25309A (SAFE-COTE)	3.8L	87.00
S25309B	4L	30.00

Ethylenediamine1, 2-Diaminoethane; H₂NCH₂CH₂NH₂

F.W. 60.10

CAS: 107-15-3

Color: Clear, colorless

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 8 (3), II: *Corrosive*

LAB GRADE - SOLUTION		
S25312	100mL	23.75

Ethylenediamine Tetracetic AcidEDTA; C₁₀H₁₆N₂O₈

F.W. 292.25

CAS: 60-00-4

Color: Colorless to White

Solubility in Water: Slightly soluble

Shelf Life: 5 years

REAGENT GRADE		
S25311A	25g	13.75
S25311B	100g	18.25
S25311	500g	61.25

Ethyl Ether, Anhydrous(C₂H₅)₂O

F.W. 74.12

CAS: 60-29-7

Color: Clear

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 3, I: *Flammable*

ACS GRADE		
S25903	4L	141.00
S25903L	1L	56.75

Ethylene GlycolGlycol; C₂H₆O₂

F.W. 62.06

CAS: 107-21-1

Color: Clear, colorless

Shelf Life: 2 years

DOT Class 3, I: *Flammable*

LAB GRADE		
S25905**	4L	110.00

FAA Solution

Formalin-Acetic Acid Alcohol

Color: Clear

Solubility in Water: Miscible

Shelf Life: 2 years

DOT Class 3, II: *Flammable Liquid*

SOLUTION		
S25688***	500mL	12.25

Fast Green FCF

Food Green

CAS: 2353-45-9

Color: Maroon to Dark Brown

Solubility in Water: Soluble

Shelf Life: 5 years

SOLID		
S25691	1g	13.00

Fast Green Solution, 1%

Color: Dark Green

Solubility in Water: Soluble

Shelf Life: 18 months

1%		
S25692	20mL	12.50

Fehling's Solution, A

Color: Clear, blue

Solubility in Water: Infinite

Shelf Life: 2 years

SOLUTION		
S25313	500mL	5.95

Fehling's Solution, B

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, II: *Corrosive*

SOLUTION		
S25314	500mL	11.25

Ferric Ammonium Citrate

Iron (III) Ammonium Citrate

CAS: 1185-57-5

Color: Yellow, green, or red-brown

Solubility in Water: Freely soluble

Shelf Life: 1 year

SOLID		
S25315	500g	23.25

Ferric Ammonium Sulfate, DodecahydrateAmmonium Iron (III) Sulfate; FeNH₄(SO₄)₂·12H₂O

F.W. 482.19

CAS: 7783-83-7

Color: Purple

Solubility in Water: Soluble in water

Shelf Life: 1 year

SOLID		
S25316	100g	12.00
S25316A	500g	34.00

Ferric Chloride HexahydrateIron (III) Chloride; FeCl₃·6H₂O

F.W. 270.30

CAS: 10025-77-1

Color: Dark yellow/brown

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 8, III: *Corrosive*

REAGENT GRADE - SOLID		
S25317	100g	12.75
S25317A	500g	28.25
SOLUTION - 1M		
S25318	500mL	12.50

Ferric Nitrate Solution, 1M

Iron (III) Nitrate Solution

Color: Pale green

Solubility in Water: Soluble

Shelf Life: 1 year

REAGENT GRADE		
S25320	500mL	15.75

Ferric Nitrate, NonahydrateIron (III) Nitrate; Fe(NO₃)₃·9H₂O

F.W. 404.00

CAS: 7782-61-8

Color: White to gray or light purple

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 5.1, III: *Oxidizer*

REAGENT GRADE		
S25319	100g	21.00
S25319A	500g	39.50

Ferric Sulfate, Hydrated

Iron Persulfate

CAS: 10028-22-5

Color: Yellow-gray

Solubility in Water: Soluble in water

Shelf Life: 1 year

REAGENT GRADE		
S25322	100g	12.00
S25322A	500g	95.00

* California - WARNING: Cancer www.P65Warnings.ca.gov** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Ferric(ous) Oxide, Black

Black Iron Oxide; Fe₂O₃

F.W. 231.54

CAS: 1317-61-9

Color: Black

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

LAB GRADE

S25321	500g	29.50
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Ferrous Ammonium Sulfate Solution, 0.1M

Color: Clear

Solubility in Water: Miscible in water

MODERATE HAZARD

0.1M

S25854*	500mL	13.25
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Ferrous Ammonium Sulfate, Hexahydrate

Ammonium Iron (II) Sulfate; Fe(NH₄)₂(SO₄)₂·6H₂O

F.W. 392.13

CAS: 7783-85-9

Color: Light Green

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

REAGENT GRADE - CRYSTALS

S25323	100g	12.50
S25323A	500g	32.25

Ferrous Chloride, Tetrahydrate

Iron (II) Chloride Tetrahydrate; FeCl₂·4H₂O

F.W. 198.81

CAS: 13478-10-9

Color: Light Green

Solubility in Water: Soluble in alcohol

Shelf Life: 1 year

DOT Class 8, III: Corrosive

CORROSIVE

REAGENT GRADE

S25324	25g	14.50
S25324A	100g	24.75
S25324B	500g	74.00

Ferrous Sulfate, Heptahydrate

Iron (II) Sulfate; FeSO₄·7H₂O

F.W. 278.01

CAS: 7782-63-0

Color: Blue-green

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

SOLID

S25325	100g	12.50
S25325A	500g	27.25

Ferrous Sulfate, Heptahydrate, Solution, 1M

Color: Blue to green

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

1M

S25326*	500mL	12.75
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Chemicals are educational grade and are intended for teaching use only. Not approved for clinical use.

Ferrous Sulfide

Iron (II) Sulfide; FeS

F.W. 87.91

CAS: 1317-37-9

Color: Gray to brown-black

Solubility in Water: Insoluble in water

Shelf Life: Two years

MODERATE HAZARD

SOLID

S25327	500g	55.75
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Fluorescein, Disodium Salt

Uranin; C₂₀H₁₀O₅Na₂

CAS: 518-47-8

Color: Rust/Orange

Solubility in Water: Soluble in water

Shelf Life: 5 years

MODERATE HAZARD

POWDER

S25328	25g	12.00
S25328A	100g	25.00

Formaldehyde Solution, 37%

Formalin; HCHO

CAS: 50-00-0

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 3 (8), III: Flammable, Corrosive

FLAMMABLE

LAB GRADE - 37%

S25329***	500mL	18.00
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Formalin Solution, 10%

4% Formaldehyde; HCHO

CAS: 50-00-0

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 9, III: Miscellaneous

HEALTH HAZARD

10% W/V

S25689*	1L	22.50
S25330*	4L	65.75

Formic Acid, 88%

Methanoic Acid; HCOOH

F.W. 46.03

CAS: 64-18-6

Color: Clear, colorless

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 8 (3), II: Corrosive

FLAMMABLE

REAGENT GRADE

S25331	100mL	19.50
S25331A	500mL	27.25

D-Fructose

Fruit Sugar; C₆H₁₂O₆

F.W. 180.16

CAS: 57-48-7

Color: White

Solubility in Water: Freely soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25332	100g	21.50
S25332A	500g	24.25

Fuchsin Acid

Acid Fuchsin; C₂₀H₁₇N₃Na₂O₉S₃

F.W. 585.54

CAS: 3244-88-0

Color: Green

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25690	5g	17.00
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Fuchsin Acid Staining Solution, 1%

Color: Red

Solubility in Water: Soluble

Shelf Life: 18 months

MODERATE HAZARD

1%

S25694	20mL	9.45
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Fumaric Acid

Trans-Butenedioic Acid; C₄H₄O₄

F.W. 116.07

CAS: 110-17-8

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25333	100g	4.20
S25333A	500g	16.75

D-Galactose

D-Galactopyranose; C₆H₁₂O₆

F.W. 180.09

CAS: 59-23-4

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25334	100g	44.00
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Gastric Juice

Color: Yellowish

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 8, II: Corrosive

CORROSIVE

SOLUTION

S25695A	500mL	13.00
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* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Gelatin

Pharmagel

CAS: 9000-70-8

Color: White/Pale-yellow

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

LAB GRADE

S25335 500g 22.50

Glucose Solution, 0.1%

Glucose Solution

Shelf Life: 2 years

MODERATE HAZARD

0.10%

S25336 50mL 9.60

S25337 500mL 52.75

Glucose Solution, 15%

Glucose Solution

Shelf Life: 2 years

MODERATE HAZARD

15%

S25338 250mL 5.45

D-Glucose-1-Phosphate, Disodium Salt α -D-Glucopyranose 1-Phosphate; $C_6H_{11}Na_2O_9P \cdot 4H_2O$

F.W. 376.16

CAS: 56401-20-8

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25340 1g 30.50

Glue, White

Liquid Glue

Solubility in Water: Soluble in water

Shelf Life: 5 years

MODERATE HAZARD

SOLUTION

S25700 1L 13.75

Glutaraldehyde Solution, 25%

Color: Clear, colorless to pale yellow

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 6.1(B), II: *Poison*

HEALTH HAZARD

25%

S25341 1L 58.50

GlutathioneGlutinal; $C_{10}H_{17}N_3O_6S$

F.W. 307.30

CAS: 70-18-8

Color: White

Solubility in Water: Soluble in water

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25699 1g 33.50

GlycerinGlycerol; $C_3H_5(OH)_3$

F.W. 92.1

CAS: 56-81-5

Color: Clear

Solubility in Water: Miscible in water

Shelf Life: 5 years

MODERATE HAZARD

ACS GRADE - LIQUID

S25342A 500mL 8.25

S25342D 4L 37.50

LAB GRADE - LIQUID

S25342 50mL 9.95

S25342B 1L 23.25

S25342C 4L 83.00

GlycineAminoacetic Acid; NH_2CH_2COOH

F.W. 75.05

CAS: 56-40-6

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25696 100g 15.00

S25696A 500g 40.00

GlycogenAnimal Starch; $(C_6H_{10}O_5)_n$

F.W. 176.15

CAS: 9005-79-2

Color: White

Shelf Life: 5 years

MODERATE HAZARD

POWDER

S25343 5g 85.00

Glyoxal

Biformal; Diformal; OCHCHO

F.W. 58.04

CAS: 107-22-2

Color: Clear

Solubility in Water: Miscible

Shelf Life: 2 years

MODERATE HAZARD

SOLUTION

S25698 25mL 9.25

Graphite

Black Lead; C

F.W. 12.00

CAS: 7782-42-5

Color: Green, blue, steel gray or black

Solubility in Water: Insoluble in water

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25345 500g 21.00

Guar Gum

Animal Starch

CAS: 9000-30-0

Color: Yellowish-white

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25346 100g 11.25

S25346A 500g 26.00

HematoxylinHematoxiline; $C_{18}H_{14}O_6$

F.W. 302.27

CAS: 517-28-2

Color: White to Yellow

Solubility in Water: Soluble in hot water

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25347 25g 37.50

HeptaneN-Heptane; C_7H_{16}

F.W. 100.21

CAS: 142-82-5

Color: Clear, Colorless

Solubility in Water: Insoluble in water

Shelf Life: 5 years

DOT Class 3, II: *Flammable Liquid*

FLAMMABLE

SOLUTION

S25348 500mL 25.00

1,6-Hexamethyldiamine, 0.5M Solution

Color: Clear, colorless

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 8, II: *Corrosive*

CORROSIVE

0.5M

S25349 250mL 56.75

1,6-Hexamethyldiamine1, 6-Diaminohexane; $H_2N(CH_2)_6NH_2$

F.W. 116.20

CAS: 124-09-4

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 8, III: *Corrosive*

CORROSIVE

SOLID

S25350 100g 22.25

* California - WARNING: Cancer www.P65Warnings.ca.gov** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Hexanes

C₆H₁₄

F.W. 86.18

CAS: 110-54-3

Color: Clear, colorless

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 3, II: *Flammable Liquid*

ACS GRADE		
S25352A	4L	59.75
LAB GRADE		
S25352	1L	43.50
REAGENT GRADE		
S25351	500mL	13.00

FLAMMABLE

Hexyl Alcohol

1-Hexanol; CH₃(CH₂)₅CH₂OH

F.W. 102.18

CAS: 111-27-3

Color: Clear

Solubility in Water: Slightly soluble in water

Shelf Life: 5 years

DOT Class 3, III: *Flammable Liquid*

SOLUTION		
S25701	100mL	15.00
S25701A	500mL	58.50

FLAMMABLE

Hydrochloric Acid Solution, 1.0N

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, III: *Corrosive*

1N		
S25356	500mL	6.40
S25356A	1L	11.25
S25908	4L	41.00

CORROSIVE

Hydrochloric Acid Solutions

F.W. 36.46

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, III: *Corrosive*

0.25M		
S25855	500mL	7.60
0.5N		
S25357	1L	8.95
0.1M (0.1N)		
S25354	500mL	6.65

CORROSIVE

Hydrochloric Acid Solutions, Various

Color: Clear

Solubility in Water: Soluble in water

DOT Class 8, III: *Corrosive*

3M		
S25856	500mL	9.90
6M		
S25857	500mL	9.40
8% V/V		
S25355	3mL	1.70

CORROSIVE

Hydrochloric Acid, ACS, 12M

Hydrogen Chloride; HCl

F.W. 36.46

CAS: 7647-01-0

Solubility in Water: Infinite

Shelf Life: 2 years

DOT Class 8, II: *Corrosive*

ACS GRADE		
S25838	2.5L	36.00
ACS GRADE - SAFE-COTE		
S25358	500mL	17.75
S25838A	2.5L	60.50

CORROSIVE

Hydrogen Peroxide, 30% Solution

Hydrogen Dioxide; H₂O₂

F.W. 34.01

CAS: 7722-84-1

Color: Clear, colorless

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 5.1 (8), II: *Oxidizer*

30%		
S25360	500mL	30.00

REACTIVE & OXIDIZING

Hydrogen Peroxide

Hydrogen Dioxide; H₂O₂

Color: Clear, colorless

Solubility in Water: Soluble

Shelf Life: 1 year

LAB GRADE - 3% SOLUTION		
S25359	500mL	5.45
S25359A	3.785L	19.50
LAB GRADE - 6% SOLUTION		
S25361A	500mL	8.75
LAB GRADE - 6% SOLUTION - STABILIZED		
S25361	500mL	12.50

MODERATE HAZARD

Hydroquinone Crystals

1,4-Benzenediol; C₆H₄-1,4-(OH)₂

F.W. 110.11

CAS: 123-31-9

Color: White to off-white

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 9, III: *Miscellaneous*

LAB GRADE		
S25362	500g	30.25

HEALTH HAZARD

Indigo Carmine

Carmine Blue (Biological Stain); C₁₆H₈N₂Na₂O₆S₂

F.W. 466.36

CAS: 860-22-0

Color: Dark blue

Solubility in Water: Slightly soluble in water

Shelf Life: 5 years

SOLID		
S25364	5g	8.30

MODERATE HAZARD

Invertase

Yeast Enzyme

CAS: 9001-57-4

Color: White to tan

Solubility in Water: Soluble in water

Shelf Life: 5 years

POWDER		
S25365	10g	16.00

MODERATE HAZARD

Iron Metal Powder

Iron Dust; Fe

F.W. 55.85

CAS: 7439-89-6

Color: Black to gray

Solubility in Water: Insoluble in water

Shelf Life: 5 years

DOT Class 4.1, II: *Flammable Solid*

POWDER		
S25370	100g	9.80
S25370A	500g	8.85
S25370B	2.5kg	28.50

FLAMMABLE

Iron, Filings

Iron Powder; Fe

F.W. 55.85

CAS: 7439-89-6

Color: Black to gray

Solubility in Water: Insoluble in water

Shelf Life: 5 years

DOT Class 4.1, II: *Flammable Solid*

FINE		
S25369	100g	6.20
S25369A	500g	7.05
LAB GRADE - FINE		
S25369B	500g	8.10

FLAMMABLE

Isobutyl Alcohol

2-Methyl-1-Propanol; (CH₃)₂CHCH₂OH

F.W. 74.12

CAS: 78-83-1

Color: Colorless

Solubility in Water: Partly soluble in water

Shelf Life: 5 years

DOT Class 3, III: *Flammable Liquid*

REAGENT GRADE		
S25703	500mL	21.00

FLAMMABLE

Isopentyl Alcohol

Isomyl Alcohol; (CH₃)₂CHCH₂CH₂OH

F.W. 88.15

CAS: 123-51-3

Color: Colorless

Solubility in Water: Slightly soluble in water

Shelf Life: 2 years

DOT Class 3, III: *Flammable Liquid*

REAGENT GRADE		
S25710	100mL	17.25
S25710A	500mL	38.25

FLAMMABLE

Chemicals are educational grade and are intended for teaching use only.
Not approved for clinical use.

Isopropyl AlcoholRubbing Alcohol; (CH₃)₂CHOH**Color:** Clear, colorless**Solubility in Water:** Infinite**Shelf Life:** 5 years**DOT Class 3, II:** *Flammable Liquid***FLAMMABLE**

70%		
S25371	500mL	8.10
S25371A	4L	39.00
99%		
S25372	500mL	10.75
S25372A	3.785L	46.00

Isovaleric AcidIsopentanoic Acid; (CH₃)₂CHCH₂COOH**F.W.** 102.07**CAS:** 503-74-2**Color:** Colorless**Solubility in Water:** Soluble in water**Shelf Life:** 2 years**DOT Class 8, II:** *Corrosive***CORROSIVE**

SOLUTION		
S25713	25mL	21.00

Kerosene

Lamp Oil

CAS: 8008-20-6**Color:** Clear, colorless**Solubility in Water:** Insoluble in water**Shelf Life:** 5 years**DOT Class 3, III:** *Flammable Liquid***FLAMMABLE**

SOLUTION		
S25373	500mL	11.00

Lactic Acid, 85%2-Hydroxypropanoic Acid; CH₃CHOHCOOH**F.W.** 90.08**CAS:** 50-21-5**Solubility in Water:** Soluble in water**Shelf Life:** 2 years**DOT Class 8, III:** *Corrosive***CORROSIVE**

85%		
S25374	100mL	11.75

Lactose, MonohydrateMilk Sugar, Monohydrate; C₁₂H₂₂O₁₁·H₂O**F.W.** 360.32**CAS:** 64044-51-5**Color:** White**Solubility in Water:** Soluble in water**Shelf Life:** 5 years**MODERATE HAZARD**

LAB GRADE		
S25375	100g	8.45
S25375A	500g	15.50

Lanolin, Anhydrous

Wool Fat

CAS: 8006-54-0**Color:** Yellow**Solubility in Water:** Soluble**Shelf Life:** 5 years**MODERATE HAZARD**

SOLID		
S25376	100g	17.25

Lanthanum NitrateLanthanum (III) Nitrate; La(NO₃)₃·5H₂O**F.W.** 415.01**CAS:** 15878-72-5**Color:** White**Solubility in Water:** Soluble**Shelf Life:** 2 years**REACTIVE & OXIDIZING**

CRYSTALS		
S25745	25g	33.00
S25745A	100g	108.00

Lanthanum Nitrate Solution, 0.1M**Color:** Clear**Solubility in Water:** Soluble**Shelf Life:** 2 years**MODERATE HAZARD**

LIQUID		
S25746	100mL	14.75

Latex**Color:** White**Shelf Life:** 2 years**MODERATE HAZARD**

SOLUTION		
S25719	500mL	15.25
S25719A	1L	21.75
S25719B	4L	100.00

Lauric AcidDodecanoic Acid; CH₃(CH₂)₁₀COOH**F.W.** 200.32**CAS:** 143-07-7**Color:** White**Solubility in Water:** Insoluble**Shelf Life:** 5 years**MODERATE HAZARD**

REAGENT GRADE - FLAKES		
S25377	100g	11.25
S25377A	500g	18.00

Lead

Lead Metal; Pb

F.W. 207.2**CAS:** 7439-92-1**Color:** Bluish white/silvery gray**Solubility in Water:** Insoluble**Shelf Life:** 5 years**MODERATE HAZARD**

SHEET - 12 x 12 x 0.6"		
S25383A***	Ea.	31.75
SHEET - 6.5 x 6.5 x 0.03"		
S25383B***	Ea.	9.40

Lead Acetate, TrihydrateLead Sugar; Pb(C₂H₃O₂)₂·3H₂O**F.W.** 379.33**CAS:** 6080-56-4**Color:** White**Solubility in Water:** Soluble**Shelf Life:** 1 year**DOT Class 6.1, III:** *Poison***HEALTH HAZARD**

POWDER		
S25378	100g	12.00
S25378A	500g	21.25

Lead ChlorideLead Dichloride; PbCl₂**F.W.** 278.11**CAS:** 7758-95-4**Color:** White to off-white**Solubility in Water:** Slightly soluble**Shelf Life:** 5 years**DOT Class 6.1, III:** *Poison***HEALTH HAZARD**

REAGENT GRADE - POWDER		
S25379	100g	18.75
S25379A	500g	37.75

Lead DioxideLead Peroxide; PbO₂**F.W.** 239.21**CAS:** 1309-60-0**Color:** Dark brown-black**Solubility in Water:** Insoluble**Shelf Life:** 5 years**DOT Class 5.1, III:** *Oxidizer***REACTIVE & OXIDIZING**

SOLID		
S25380	100g	12.25

Lead NitrateLead Dinitrate; Pb(NO₃)₂**F.W.** 331.20**CAS:** 10099-74-8**Color:** White**Solubility in Water:** Soluble**Shelf Life:** 5 years**DOT Class 5.1(6.1), II:** *Oxidizer***REACTIVE & OXIDIZING**

LAB GRADE - CRYSTALS		
S25381	500g	21.75
REAGENT GRADE - CRYSTALS		
S25382	100g	9.00
S25382A	2.5kg	77.00

Lead Nitrate Solution, 0.1M**Color:** Clear**Solubility in Water:** Soluble in water**MODERATE HAZARD**

0.1M		
S25858	500mL	8.05

Lead Nitrate Solution, 1M**Color:** Clear, colorless**Solubility in Water:** Soluble**Shelf Life:** 2 years**DOT Class 5.1(6.1), II:** *Oxidizer***REACTIVE & OXIDIZING**

1M		
S25383	500mL	8.35

Lemon Juice**Color:** Clear to yellowish**Solubility in Water:** Soluble**Shelf Life:** 2 years**MODERATE HAZARD**

SOLUTION		
S25385	500mL	7.15

Licorice Extract

Glycyrrhiza Extract

Color: Brown**Solubility in Water:** Soluble in hot water**Shelf Life:** 2 years

MODERATE HAZARD

POWDER

S25740	25g	5.30
S25740A	100g	13.25

Lime Water**Color:** Colorless**Solubility in Water:** Soluble**Shelf Life:** 2 years

MODERATE HAZARD

SOLUTION

S25386	500mL	4.95
S25386A	3.785L	12.25

Linseed Oil, Boiled

Flaxseed Oil

CAS: 8001-26-1**Color:** Yellow to brown**Solubility in Water:** Insoluble**Shelf Life:** 5 years

MODERATE HAZARD

SOLUTION

S25387	500mL	20.50
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Lipase Powder

Triacylglycerol Hydrolase

CAS: 9001-62-1**Color:** Beige**Solubility in Water:** Soluble**Shelf Life:** 5 years

MODERATE HAZARD

POWDER

S25731	25g	21.00
S25731A	100g	59.00

Lithium

Lithium Element; Li

F.W. 6.94**CAS:** 7439-93-2**Color:** Silver white**Solubility in Water:** Reacts violently**Shelf Life:** 5 years**DOT Class 4.3, I: Dangerous When Wet**

Reacts with water or moisture

FLAMMABLE

SOLID-METAL RODS

S25391	25g	69.50
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Lithium CarbonateCarbonic Acid Dilithium Salt; Li₂CO₃**F.W.** 73.89**CAS:** 554-13-2**Color:** White**Solubility in Water:** Soluble**Shelf Life:** 1 year

MODERATE HAZARD

LAB GRADE

S25388**	100g	21.50
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REAGENT GRADE

S25388A**	100g	20.75
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Lithium Chloride

Lithium Monochloride; LiCl

F.W. 42.39**CAS:** 7447-41-8**Color:** White**Solubility in Water:** Soluble**Shelf Life:** 1 year

MODERATE HAZARD

LAB GRADE

S25389A	100g	20.00
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REAGENT GRADE

S25389	100g	16.00
S25389B	500g	48.25

Lithium Chloride Solution, 1M**Color:** White**Solubility in Water:** Soluble**Shelf Life:** 1 year

MODERATE HAZARD

1M

S25390	500mL	7.50
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Lithium NitrateNitric Acid, Lithium Salt; LiNO₃**F.W.** 68.95**CAS:** 7790-69-4**Color:** White**Solubility in Water:** Soluble**Shelf Life:** 2 years**DOT Class 5.1, III: Oxidizer**

REACTIVE & OXIDIZING

REAGENT GRADE

S25392	100g	21.50
S25392A	500g	69.00

Litmus**CAS:** 1393-92-6**Color:** Blue**Solubility in Water:** Soluble**Shelf Life:** 5 years

MODERATE HAZARD

POWDER

S25747	10g	8.25
S25747A	25g	20.25

Litmus Solution, 0.5%**Color:** Blue**Solubility in Water:** Soluble**Shelf Life:** 5 years

MODERATE HAZARD

0.5%

S25749	500mL	18.00
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Loading Dye 10X**Color:** Clear Blue**Solubility in Water:** Soluble**Shelf Life:** 2 years

MODERATE HAZARD

SOLUTION

S25393	5mL	13.50
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Luminol3-Aminophthalhydrazide.; C₈H₇N₃O₂**F.W.** 177.17**CAS:** 521-31-3**Color:** Yellow**Solubility in Water:** Insoluble**Shelf Life:** 1 year

MODERATE HAZARD

SOLID

S25395A	1g	10.75
S25395	5g	28.75

Lycopodium

Club Moss Spores

CAS: 8023-70-9**Color:** Off-white**Solubility in Water:** Insoluble**Shelf Life:** 5 years**DOT Class 4.1, III: Flammable Solid**

FLAMMABLE

SOLID

S25396	25g	11.25
S25396A	100g	27.50
S25396B	500g	108.00

Lysozyme**CAS:** 12650-88-3**Color:** White**Shelf Life:** 2 years

MODERATE HAZARD

SOLID

S25750	1g	42.00
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Magnesium Bromide, HexahydrateMgBr₂·6H₂O**F.W.** 292.25**CAS:** 13446-53-2**Color:** White**Solubility in Water:** Soluble**Shelf Life:** 2 years

MODERATE HAZARD

LAB GRADE

S25398	100g	23.00
S25398A	500g	57.75

Chemicals are educational grade and are intended for teaching use only.
Not approved for clinical use.



Magnesium Carbonate, PentahydrateMagnesite; $4\text{Mg}(\text{CO}_3)\cdot\text{Mg}(\text{OH})_2\cdot 5\text{H}_2\text{O}$

CAS: 39409-82-0

Color: White

Solubility in Water: Insoluble in water

Shelf Life: 5 years

MODERATE HAZARD

LAB GRADE		
S25400	100g	4.40
REAGENT GRADE		
S25399	100g	4.80
S25399A	500g	22.75

Magnesium Chloride, HexahydrateMagnesia Dichloride Hexahydrate; $\text{MgCl}_2\cdot 6\text{H}_2\text{O}$

F.W. 203.33

CAS: 7791-18-6

Color: White to slightly gray

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

LAB GRADE		
S25403	500g	13.00
REAGENT GRADE		
S25401	100g	11.00
S25401A	500g	18.75

Magnesium HydroxideMilk of Magnesia; $\text{Mg}(\text{OH})_2$

F.W. 58.33

CAS: 1309-42-8

Color: White

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

LAB GRADE		
S25406	100g	2.60
S25406A	500g	18.75

Magnesium Metal

Mg

F.W. 24.31

CAS: 7439-95-4

Color: Silver White

Solubility in Water: Insoluble in water

Shelf Life: 5 years

DOT Class 4.1, III: *Flammable Solid*

FLAMMABLE

LAB GRADE - RIBBON		
S25397	50g	14.50
TURNINGS		
S25397A	2.5g	12.25
S25411	25g	13.50
S25411A	100g	19.00
S25411B	500g	59.50

Magnesium Nitrate, Hexahydrate $\text{Mg}(\text{NO}_3)_2\cdot 6\text{H}_2\text{O}$

F.W. 256.43

CAS: 13446-18-9

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 5.1, III: *Oxidizer*

REACTIVE & OXIDIZING

LAB GRADE		
S25412A	500g	14.00
REAGENT GRADE		
S25412	100g	8.70

Magnesium Oxide

Magnesia; MgO

F.W. 40.3

CAS: 1309-48-4

Color: Silver white

Solubility in Water: Slightly

Shelf Life: 2 years

MODERATE HAZARD

REAGENT GRADE		
S25413	100g	11.25

Magnesium Powder

Mg

F.W. 24.31

CAS: 7439-95-4

Color: Silver white

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 4.3, 4.2, II: *Spontaneously Combustible; Dangerous When Wet*

FLAMMABLE

LAB GRADE		
S25409	25g	8.90
S25407	100g	18.00
REAGENT GRADE		
S25409B	500g	51.25

Magnesium Sulfate, AnhydrousBitter Salt; MgSO_4

F.W. 120.37

CAS: 7487-88-9

Color: Off-white

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

SOLID		
S25414B	500g	40.50

Magnesium Sulfate, HeptahydrateEpsom Salts, Heptahydrate; $\text{MgSO}_4\cdot 7\text{H}_2\text{O}$

F.W. 246.50

CAS: 10034-99-8

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

SOLID		
S25414	500g	24.00
S25414A	2.5kg	24.50

Maleic AcidButenedioic Acid; $\text{HO}_2\text{CCH}:\text{CHCO}_2\text{H}$

F.W. 116.07

CAS: 110-16-7

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 8, III: *Corrosive*

CORROSIVE

SOLID		
S25415	200g	23.00
S25415A	250g	23.25

Malonic AcidCarboxyacetic Acid; $\text{HO}_2\text{CCH}_2\text{CO}_2\text{H}$

F.W. 104.06

CAS: 141-82-2

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25416	25g	11.25
S25416A	100g	105.00

Maltose, Monohydrate $\text{C}_{12}\text{H}_{22}\text{O}_{11}\cdot\text{H}_2\text{O}$

F.W. 360.32

CAS: 6363-53-7

Color: White/colorless

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25417	100g	9.95

Manganese DioxideManganese (IV) Oxide; MnO_2

F.W. 86.94

CAS: 1313-13-9

Color: Black

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 5.1, II: *Oxidizer*

REACTIVE & OXIDIZING

LAB GRADE		
S25420	100g	14.75
S25420A	500g	10.25
REAGENT GRADE		
S25419	100g	15.50

Manganese Nitrate Solution, 50%

Maganon Nitrate Solution

Color: Clear, reddish-orange

Solubility in Water: Complete

Shelf Life: 2 years

DOT Class 5.1 (8), III: *Oxidizer*

REACTIVE & OXIDIZING

50%		
S25421	100mL	7.35
S25421A	500mL	26.50

* California - WARNING: Cancer www.P65Warnings.ca.gov** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Manganous Chloride, TetrahydrateManganese (II) Chloride Tetrahydrate; $MnCl_2 \cdot 4H_2O$

F.W. 197.91

CAS: 13446-34-9

Color: Pink

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

REAGENT GRADE

S25418 100g 12.00

Manganous SulfateManganese (II) Sulfate Monohydrate; $MnSO_4 \cdot H_2O$

F.W. 169.01

CAS: 10034-96-5

Color: Light red

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

LAB GRADE

S25422 500g 28.25

MentholP-Menthan-3-ol; $C_{10}H_{20}O$

F.W. 156.26

CAS: 89-78-1

Color: White

Solubility in Water: Soluble in alcohol, chloroform, ether

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25751 25g 11.75

S25751A 100g 48.25

Mercuric ChlorideMercury (II) Chloride; $HgCl_2$

F.W. 271.50

CAS: 7487-94-7

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 6.1, II: *Poison*

HEALTH HAZARD

ACS GRADE - CRYSTALS

S25423** 100g 41.00

Mercuric IodideMercury (II) Iodide; HgI_2

F.W. 454.40

CAS: 7774-29-0

Color: Red

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 6.1, II: *Poison*

HEALTH HAZARD

ACS GRADE

S25424** 25g 16.50

Mercuric OxideYellow Oxide of Mercury; HgO

F.W. 216.59

CAS: 21908-53-2

Color: Yellow to orange-yellow

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 6.1, II: *Poison*

HEALTH HAZARD

ACS GRADE

S25425 25g 10.75

MethanolMethyl Alcohol; CH_3OH

F.W. 32.04

CAS: 67-56-1

Color: Clear, colorless

Solubility in Water: Miscible in water

Shelf Life: 2 years

DOT Class 3, II: *Flammable Liquid*

FLAMMABLE

LAB GRADE

S25426A** 4L 25.25

REAGENT GRADE

S25426** 500mL 12.50

Methyl Cellulose

Cellulose Methylate

CAS: 9004-67-5

Color: White to off-white

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25427 100g 17.25

Methyl Cellulose Solution, 1.5%

Color: Clear, Colorless

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

1.5%

S25428 20mL 14.50

Methyl Orange IndicatorOrange III; $C_{14}H_{13}N_3O_3SNa$

F.W. 327.34

CAS: 547-58-0

Color: Orange

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 6.1, III: *Poison*

HEALTH HAZARD

REAGENT GRADE

S25433 10g 11.75

S25433A 25g 12.00

Methyl Red IndicatorSodium Salt; $C_{15}H_{14}N_2O_2Na$

F.W. 291.28

CAS: 845-10-3

Color: Orange

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25434 10g 11.25

S25434A 25g 21.75

Methyl Red Indicator Solution, 0.02%

Color: Orange

Solubility in Water: Soluble

Shelf Life: 18 months

DOT Class 3, II: *Flammable Liquid*

FLAMMABLE

0.02%

S25435 500mL 7.75

Methyl SalicylateWintergreen Oil; $C_8H_8O_3$

F.W. 152.15

CAS: 119-36-8

Color: Colorless to yellow-red

Solubility in Water: Slightly soluble in water

Shelf Life: 5 years

MODERATE HAZARD

SOLUTION

S25437 100mL 15.50

Methyl VioletMethyl Violet 2B; $C_{24}H_{28}ClN_3$

F.W. 393.94

CAS: 8004-87-3

Color: Blue-green

Solubility in Water: Soluble in water

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25436 10g 6.85

S25436A 25g 14.25

Methylene BlueMethylene Blue Chloride; $C_{16}H_{18}ClN_3 \cdot 3H_2O$

F.W. 373.90

CAS: 7220-79-3

Color: Dark green

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25429 10g 11.75

S25429A 25g 17.00

Methylene Blue, 0.004MMethylene Blue Chloride; $C_{16}H_{18}ClN_3 \cdot 3H_2O$

CAS: 7440-66-6, 722-79-3

Color: Blue

Solubility in Water: Soluble

Shelf Life: 24 months

DOT Class 3, II: *Flammable Liquid*

FLAMMABLE

LIQUID

S25836 30mL 12.75

Chemicals are educational grade and are intended for teaching use only.
Not approved for clinical use.

Methylene Blue (Loeffler's)

Color: Blue
Solubility in Water: Soluble
Shelf Life: 2 years
DOT Class 3, II: *Flammable Liquid*

FLAMMABLE**SOLUTION**

S25432	500mL	15.75
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Methylene Blue Solution, 1%

Color: Dark blue
Solubility in Water: Soluble
Shelf Life: 18 months

MODERATE HAZARD

1%		
S25430	15mL	5.05
S25431	100mL	5.50
S25431A	500mL	11.00

Mineral Oil

Bath Oil
CAS: 8042-47-5
 Color: White
Solubility in Water: Insoluble
Shelf Life: 5 years

MODERATE HAZARD

HEAVY		
S25440	500mL	16.00
LIGHT		
S25439	500mL	10.50
S25439A	4L	53.25

Molasses

Color: Brown
Shelf Life: 2 years

MODERATE HAZARD**SOLUTION**

S25753	300mL	7.65
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Molisch Reagent

Color: Colorless
Solubility in Water: Infinite
Shelf Life: 2 years
DOT Class 3, II: *Flammable Liquid*

FLAMMABLE**SOLUTION**

S25754	100mL	13.00
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Molybdenum (IV) Oxide

Molybdenum Trioxide; MoO₂
F.W. 143.94
CAS: 18868-43-4
 Color: Gray
Shelf Life: 2 years
DOT Class 6.1, III: *Poison*

HEALTH HAZARD**SOLID**

S25755	10g	25.00
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Murexide

Ammonium Pupurate Acid; C₈H₈N₆O₆
F.W. 284.09
CAS: 3051-09-0
 Color: Red-Purple
Solubility in Water: Slightly soluble in water
Shelf Life: 2 years

MODERATE HAZARD**SOLID**

S25756	2g	15.00
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Naphthalene

Tar Camphor; C₁₀H₈
F.W. 128.17
CAS: 91-20-3
 Color: White

FLAMMABLE

Solubility in Water: Insoluble
Shelf Life: 2 years
DOT Class 4.1, III: *Flammable Solid*

REAGENT GRADE

S25441*	100g	8.80
S25441A*	500g	21.75

Nickel

Nickel Metal Shot; Ni
F.W. 58.69
CAS: 7440-02-0
 Color: White to gray-white
Shelf Life: 5 years

MODERATE HAZARD**SOLID**

S25444*	50g	16.50
S25444A*	500g	92.00

Nickel (II) Chloride, Hexahydrate

Nickel Dichloride; NiCl₂·6H₂O
F.W. 237.72
CAS: 7791-20-0
 Color: Green
Solubility in Water: Soluble
Shelf Life: 1 year
DOT Class 6.1, III: *Poison*

HEALTH HAZARD**REAGENT GRADE**

S25442*	100g	20.75
S25442A*	500g	89.00

Nickel (II) Nitrate, Hexahydrate

Nickelous Nitrate Hexahydrate; Ni(NO₃)₂·6H₂O
F.W. 290.82
CAS: 13478-00-7
 Color: Emerald green
Solubility in Water: Soluble
Shelf Life: 1 year
DOT Class 5.1, III: *Oxidizer*

REACTIVE & OXIDIZING**REAGENT GRADE**

S25443	100g	15.25
S25443A	500g	48.25

Nickel (II) Sulfate, Hexahydrate

Nickelous Sulfate Crystal; NiSO₄·6H₂O
F.W. 262.87
CAS: 10101-97-0
 Color: Blue-green
Solubility in Water: Soluble
Shelf Life: 5 years
DOT Class 6.1, III: *Poison*

HEALTH HAZARD**REAGENT GRADE**

S25445	100g	18.75
S25445A	500g	55.75

Nicotine Solution

Cigarette Water Extract
 Color: Brownish Tan
Solubility in Water: Complete
Shelf Life: 1 year
 Nicotine of approximately 1 cigarette

MODERATE HAZARD**SOLUTION**

S25446	100mL	12.25
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Nigrosin Saturated Aqueous Solution

Nigrosine Biological Stain
 Color: Dark blue-violet
Solubility in Water: Infinite
Shelf Life: 5 years

MODERATE HAZARD**SOLUTION**

S25447	100mL	14.50
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Ninhydrin

1,2,3-Indantrione Monohydrate; C₈H₅·1,2-(CO)₂·CO·H₂O
F.W. 178.14

CAS: 485-47-2
 Color: Slightly yellow

MODERATE HAZARD

Solubility in Water: Soluble
Shelf Life: 5 years

SOLID

S25448	10g	19.00
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Nitric Acid Solution, 0.1M

Color: Clear
Solubility in Water: Soluble in water
Shelf Life: 2 years

MODERATE HAZARD**0.1M**

S25859	500mL	5.90
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Nitric Acid Solution, 1M/3M

Color: Clear to yellow
Solubility in Water: Soluble in water
Shelf Life: 2 years
DOT Class 8, II: *Corrosive*

CORROSIVE**1M**

S25449B	500mL	7.40
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3M

S25860	500mL	8.20
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Nitric Acid Solution, 6M

Color: Clear to yellow
Solubility in Water: Soluble in water
Shelf Life: 2 years
DOT Class 8, II: *Corrosive*

CORROSIVE**6M**

S25449A	500mL	25.25
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Nitric Acid Solution, 15.8M, Concentrated

Hydrogen Nitrate; HNO₃

F.W. 63.02

Color: Clear

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, II: Corrosive

CORROSIVE

ACS GRADE - NON-SAFECOTE

S25906 500mL 36.50

ACS GRADE - SAFECOTE

S25449C 2.5L 50.25

o-Nitrobenzaldehyde

2-Nitrobenzaldehyde; C₇H₅NO₃

F.W. 151.04

CAS: 552-89-6

Color: Yellow

Solubility in Water: Slightly soluble in water

Shelf Life: 5 years

MODERATE HAZARD

POWDER

S25758 10g 19.50

Nutrient Broth

Color: Beige

Solubility in Water: Soluble in water

Shelf Life: 5 years

MODERATE HAZARD

POWDER

S25759A 100g 34.00

S25759B 500g 130.00

1-Octadecanol

Stearyl Alcohol; CH₃(CH₂)₁₆CH₂OH

F.W. 270.50

CAS: 112-92-5

Color: White

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25777 100g 12.25

S25777A 500g 39.50

1-Octanol

n-Octyl Alcohol; CH₃(CH₂)₇OH

F.W. 130.23

CAS: 111-87-5

Color: Clear, colorless

Solubility in Water: Insoluble

Shelf Life: 2 years

MODERATE HAZARD

REAGENT GRADE

S25450B 50mL 8.95

S25450A 100mL 14.50

S25450 500mL 32.75

2-Octanol

Capryl Alcohol; CH₃(CH₂)₆CH(OH)CH₃

F.W. 130.23

CAS: 123-96-6

Color: Colorless

Solubility in Water: Slightly

Shelf Life: 2 years

DOT Class 6.1, III: Poison

HEALTH HAZARD

SOLUTION

S25775 100mL 13.00

Oleic Acid

Cis-9-Octadecenoic Acid; C₁₈H₃₄O₂

F.W. 282.47

CAS: 112-80-1

Color: Colorless to pale red

Solubility in Water: Insoluble

Shelf Life: 1 year

MODERATE HAZARD

LAB GRADE

S25451 100mL 7.60

S25451A 500mL 19.25

Olive Oil

CAS: 8001-25-0

Color: Yellow

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

SOLUTION

S25452 500mL 17.25

Onion's Fusible Alloy

Color: White

Solubility in Water: Insoluble in water

Shelf Life: 5 years

MODERATE HAZARD

METAL

S25776A 100g 20.00

Orange G, Biological Stain

Acid Fast Orange G

F.W. 452.18

CAS: 1936-15-8

Color: Yellow-red to orange

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25453 25g 20.75

Oxalic Acid, Dihydrate

Ethanedioic Acid Dehydrate; H₂C₂O₄ · 2H₂O

F.W. 126.07

CAS: 6153-56-6

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 8 (6.1), II: Corrosive

CORROSIVE

LAB GRADE - SOLID

S25455 500g 15.25

Palmitic Acid

Hexadecanoic Acid; CH₃(CH₂)₁₄CO₂H

F.W. 256.43

CAS: 57-10-3

Color: White

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

FLAKES

S25763 100g 23.50

Pancreatin

CAS: 8049-47-6

Solubility in Water: Slightly soluble

MODERATE HAZARD

LAB GRADE

S25456 100g 14.25

Papain

CAS: 9001-73-4

Color: White

Solubility in Water: Partly soluble in water

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25764 10g 23.00

Paraffin Wax (Cake)

CAS: 8002-74-2

Color: Clear or White

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25646 454g 11.25

Peanut Oil

Arachis Oil

CAS: 8002-03-7

Color: Colorless

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

SOLUTION

S25760 500mL 16.00

Pentane

CH₃(CH₂)₃CH₃

CAS: 109-66-0

Color: Colorless

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 3, I: Flammable Liquid

FLAMMABLE

REAGENT GRADE

S25457 100mL 9.25

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Not approved for clinical use.

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*** California - WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

Peppermint Oil

CAS: 8006-90-4
 Color: Colorless
 Solubility in Water: Insoluble
 Shelf Life: 5 years

MODERATE HAZARD

SOLUTION		
S25458	25mL	17.50

Pepsin Powder

CAS: 9001-75-6
 Color: White/yellow
 Solubility in Water: Soluble
 Shelf Life: 5 years

MODERATE HAZARD

POWDER		
S25459	30g	11.25
S25459A	100g	33.25

Peptone

CAS: 73049-73-7
 Color: Yellow
 Solubility in Water: Soluble in water
 Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25761	25g	11.75
S25761A	100g	15.25
S25761B	500g	59.75

Petrolatum

Petroleum Jelly
 CAS: 8009-03-8
 Color: White to yellow
 Solubility in Water: Insoluble
 Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25460	500g	14.25

Petroleum Ether

Ligroine
 CAS: 8032-32-4
 Color: Clear
 Solubility in Water: Insoluble
 Shelf Life: 5 years
 DOT Class 3, II: *Flammable Liquid*

FLAMMABLE

ACS GRADE		
S25461B	1 lb.	27.00
S25461	100mL	10.00
S25461A	500mL	14.75

pH Buffer Solutions (pH 1 to pH 12)

Color: Clear, colorless
 Solubility in Water: Infinite
 Shelf Life: 2 years

MODERATE HAZARD

pH 1		
S25208	500mL	16.25
pH 2		
S25208A	500mL	15.50
pH 3		
S25208B	500mL	15.50
pH 4		
S25208C	500mL	15.50
pH 5		
S25208D	500mL	15.50
pH 6		
S25208E	500mL	15.50
pH 7		
S25208F	500mL	15.50
pH 8		
S25208G	500mL	15.50
pH 9		
S25208H	500mL	15.50
pH 10		
S25208I	500mL	15.50
pH 11		
S25208J	500mL	15.50
pH 12		
S25208K	500mL	15.50

pH Buffer Solutions (pH 4.00, pH 7.00, pH 10.00)

Color: Yellow
 Solubility in Water: Infinite
 Moderate Hazard

MODERATE HAZARD

pH 4.0: RED		
S25849A	500mL	7.50
pH 7.0: YELLOW		
S25849B	500mL	7.50
pH 10.0: BLUE		
S25849	500mL	7.50

1,10-Phenanthroline Monohydrate

C₁₂H₈N₂ · H₂O
 F.W. 198.21
 CAS: 5144-89-8

HEALTH HAZARD

Color: White
 Solubility in Water: Soluble
 Shelf Life: 2 years
 DOT Class 6.1, III: *Poison*

REAGENT GRADE		
S25461C	5g	61.00

Phenol

Carbolic Acid; C₆H₅OH
 F.W. 94.11
 CAS: 108-95-2
 Color: Colorless
 Solubility in Water: Soluble
 Shelf Life: 1 year
 DOT Class 6.1, II: *Poison*

HEALTH HAZARD

LAB GRADE		
S25462	100g	32.75
S25462A	500g	91.00

Phenol Solution

Color: Colorless
 Solubility in Water: Soluble
 Shelf Life: 1 year
 DOT Class 6.1, II: *Poison*

HEALTH HAZARD

SOLUTION		
S25463	100mL	19.00

Phenol Red Indicator

Phenolsulfonephthalein Sodium; C₁₉H₁₃NaO₅S

F.W. 376.36
 CAS: 34487-61-1

MODERATE HAZARD

Color: Red
 Solubility in Water: Soluble
 Shelf Life: 5 years

ACS GRADE		
S25465	10g	18.50

Phenol Red Indicator Solution, 0.02% w/v

Color: Red
 Solubility in Water: Soluble
 Shelf Life: 18 months

MODERATE HAZARD

0.02%		
S25464	100mL	2.40
S25464A	500mL	11.25

Phenolphthalein in IPA Solution

Color: Clear, colorless to slight pink
 Solubility in Water: Infinite
 Shelf Life: 2 years
 DOT Class 3, II: *Flammable Liquid*

FLAMMABLE

0.5%		
S25468A***	100mL	3.45
S25468***	500mL	7.85
1%		
S25467***	100mL	5.45
S25467A***	500mL	7.80

Phenolphthalein Indicator

3,3-Bis(4-Hydroxyphenyl)-1(3H)-isobenzofuranone; C₂₀H₁₄O₄
 F.W. 318.33
 CAS: 77-09-8

MODERATE HAZARD

Color: Off-white
 Solubility in Water: Insoluble in water
 Shelf Life: 5 years

REAGENT GRADE - POWDER		
S25466*	25g	9.00
S25466A*	100g	19.75

Phenyl Salicylate

Salol; 2-HOC₆H₄-1-CO₂C₆H₅
 F.W. 214.22
 CAS: 118-55-8

MODERATE HAZARD

Color: White
 Solubility in Water: Insoluble
 Shelf Life: 5 years

SOLID		
S25469	100g	14.75
S25469A	500g	63.50

Phloroglucinol, Dihydrate

$C_6H_3 \cdot 1,3,5\text{-(OH)}_3 \cdot 2H_2O$

F.W. 162.07

CAS: 6099-90-7

Color: White/off-white

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25471	25g	16.25

Phosphate Buffer Solution, 0.1M

Color: Clear, colorless

Solubility in Water: Infinite

Shelf Life: 2 years

MODERATE HAZARD

0.1M		
S25472	60mL	5.40

o-Phosphoric Acid Solution, 85%

Orthophosphoric acid; H_3PO_4 ;

F.W. 98

CAS: 7664-38-2

Color: Clear, colorless

Solubility in Water: Complete

Shelf Life: 2 years

DOT Class 8, III: Corrosive

CORROSIVE

ACS GRADE		
S25470	100mL	15.00
S25470A	1L	63.00
REAGENT GRADE		
S25470B	2.5L	74.75

Polysnow

Sodium Polyacrylic

CAS: 9033-79-8

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

SOLID		
S25774A	100g	16.00

Polyvinyl Alcohol

Ethanol; $[CH_2CH(OH)]_n$

F.W. 165.00

CAS: 9002-89-5

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

LAB GRADE		
S25473	25g	9.10
S25473A	100g	14.00
S25473B	500g	28.50
THICK GEL - 4% SOLUTION		
S25474	100mL	20.75

Potassium Bicarbonate

Baking Soda; $KHCO_3$

F.W. 100.12

CAS: 298-14-6

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

REAGENT GRADE		
S25475	100g	9.10
S25475A	500g	18.00

Potassium Bisulfate

Potassium Hydrogen Sulfate; $KHSO_4$

F.W. 136.17

CAS: 7646-93-7

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 8, II: Corrosive

CORROSIVE

SOLID		
S25476	100g	13.50

Potassium Bitartrate

Cream of Tartar; $KHC_4H_4O_6$

F.W. 188.18

CAS: 868-14-4

Color: White

Solubility in Water: Partially

Shelf Life: 5 years

MODERATE HAZARD

REAGENT GRADE		
S25477	100g	10.50
S25477A	500g	23.25

Potassium Bromide

Hydrobromic Acid Potassium Salt; KBr

F.W. 119.02

CAS: 7758-02-3

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

REAGENT GRADE		
S25478	500g	24.50

Potassium Carbonate, Anhydrous

Dipotassium Salt Of Carbonic Acid; K_2CO_3

F.W. 138.21

CAS: 584-08-7

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

LAB GRADE		
S25480	500g	15.50

Potassium Carbonate, Sesquihydrate

Pearl Ash; $K_2CO_3 \cdot 1.5H_2O$

F.W. 165.245g

CAS: 6381-79-9

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25479	500g	41.00

Potassium Chlorate

Salt of Tartar; $KClO_3$

F.W. 122.55

CAS: 3811-04-9

Color: White

Shelf Life: 5 years

DOT Class 5.1, II: Oxidizer

REACTIVE & OXIDIZING

LAB GRADE		
S25482	100g	9.35
S25482A	500g	19.75

Potassium Chloride

KCl

F.W. 74.56

CAS: 7447-40-7

Color: White

Solubility in Water: Partially soluble

Shelf Life: 2 years

MODERATE HAZARD

REAGENT GRADE		
S25484	100g	5.85
S25484A	500g	11.75

Potassium Chloride Solutions

Color: Clear

Solubility in Water: Infinite

MODERATE HAZARD

0.1M		
S25861	500mL	7.90
4M		
S25485	500mL	7.80

Potassium Chromate

Chromic Acid; K_2CrO_4

F.W. 194.20

CAS: 7789-00-6

Color: Yellow

Solubility in Water: Soluble in water

Shelf Life: 5 years

DOT Class 6.1 (5.1), II: Poison

REACTIVE & OXIDIZING

LAB GRADE		
S25486A***	500g	58.75
REAGENT GRADE		
S25486***	100g	14.50
S25486B***	500g	33.50

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Potassium Chromate Solution, 0.1M

Indicator for Chloride Determination

Color: Yellow

Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M		
S25862***	500mL	6.85

Potassium Dichromate

Potassium Bichromate; $K_2Cr_2O_7$

F.W. 294.19

CAS: 7778-50-9

Color: Orange

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 6.1, I: *Poison*

REACTIVE & OXIDIZING

REAGENT GRADE		
S25487***	100g	15.25
S25487A***	500g	37.25

Potassium Ferricyanide

Potassium Prussiate; $K_3Fe(CN)_6$

F.W. 329.26

CAS: 13746-66-2

Color: Orange/red

Solubility in Water: Partly soluble in water

Shelf Life: 1 year

MODERATE HAZARD

SOLID		
S25488	100g	11.75
S25488A	500g	35.50

Potassium Ferrocyanide, Trihydrate

Potassium Hexacyanoferrate (II) Trihydrate; $K_4Fe(CN)_6 \cdot 3H_2O$

F.W. 422.41

CAS: 14459-95-1

Color: Yellow

Solubility in Water: Soluble in water

Shelf Life: 1 year

MODERATE HAZARD

SOLID		
S25489	100g	17.50
S25489A	500g	61.25

Potassium Hydrogen Phthalate

Potassium Acid Phthalate; $KHC_8H_4O_4$

F.W. 204.23

CAS: 877-24-7

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25490	100g	15.50

Potassium Hydroxide

Caustic Potash; KOH

F.W. 56.11

CAS: 1310-58-3

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 8, II: *Corrosive*

CORROSIVE

REAGENT GRADE		
S25491	100g	9.50
S25491A	500g	27.75

Potassium Hydroxide Solution, 0.1M

Color: Clear

Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M		
S25863	500mL	3.85

Potassium Iodate

Iodic Acid, potassium salt; KIO_3

F.W. 214.00

CAS: 7758-05-6

Color: White

Solubility in Water: Soluble in water

Shelf Life: 5 years

DOT Class 5.1, II: *Oxidizer*

REACTIVE & OXIDIZING

LAB GRADE		
S25492B	500g	98.00
REAGENT GRADE		
S25492	25g	9.70
S25492A	100g	28.50

Potassium Iodide

KI

F.W. 166.01

CAS: 7681-11-0

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

LAB GRADE		
S25493C	100g	25.00
S25493D	500g	115.00
REAGENT GRADE		
S25493	25g	14.00
S25493A	100g	29.75
S25493B	500g	118.00

Potassium Iodide Solutions

Color: Clear

Solubility in Water: Infinite

MODERATE HAZARD

0.1M		
S25864	500mL	12.50
0.5M		
S25865	500mL	20.50

Potassium Nitrate

Saltpeper; KNO_3

F.W. 101.11

CAS: 7757-79-1

Color: White

Shelf Life: 2 years

DOT Class 5.1, III: *Oxidizer*

REACTIVE & OXIDIZING

LAB GRADE		
S25494B	500g	8.05
REAGENT GRADE		
S25494	100g	8.85
S25494A	500g	18.00
S25494C	3kg	80.00

Potassium Nitrate Solution, 0.1M

Color: Clear

Solubility in Water: Infinite

MODERATE HAZARD

0.1M		
S25866	500mL	5.15

Potassium Nitrite

Nitrous Acid; KNO_2

F.W. 85.11

CAS: 7758-09-0

Color: White/Pale-yellow

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 5.1, II: *Oxidizer*

REACTIVE & OXIDIZING

REAGENT GRADE		
S25495	100g	26.75
S25495A	500g	114.00

Potassium Nitrite Solution, 1M

Color: Clear

Solubility in Water: Infinite

MODERATE HAZARD

1M		
S25867	100mL	11.75

Potassium Oxalate, Monohydrate

Oxalic Acid; $K_2C_2O_4 \cdot H_2O$

F.W. 184.24

CAS: 6487-48-5

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 6.1, III: *Poison*

HEALTH HAZARD

LAB GRADE		
S25496	100g	11.75
S25496A	500g	22.75

Potassium Permanganate

Chameleon Mineral; $KMnO_4$

F.W. 158.04

CAS: 7722-64-7

Color: Dark brown

Solubility in Water: soluble

Shelf Life: 5 years

DOT Class 5.1, II: *Oxidizer*

REACTIVE & OXIDIZING

REAGENT GRADE		
S25497	100g	9.10
S25497A	500g	28.50

Potassium Permanganate Solutions

Color: Purple

Solubility in Water: Infinite

MODERATE HAZARD

0.01M		
S25869	500mL	4.45
0.1M		
S25870	500mL	7.90
0.2M		
S25871	500mL	7.65

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Potassium Persulfate

Dipotassium Peroxydisulfate; $K_2S_2O_8$

F.W. 270.33

CAS: 7727-21-1

Color: White

Solubility in Water: Slightly soluble in water

Shelf Life: 1 year

DOT Class 5.1 (8), III: Oxidizer

REACTIVE & OXIDIZING

LAB GRADE

S25498 100g 13.25

Potassium Phosphate, Diabasic, Anhydrous

Dipotassium Monohydrogen Phosphate; K_2HPO_4

F.W. 174.18

CAS: 7758-11-4

Solubility in Water: Soluble in water

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25500A 100g 12.00

Potassium Phosphate, Monobasic

Dipotassium Phosphate Monobasic; KH_2PO_4

F.W. 136.09

CAS: 7778-77-0

Color: White

Solubility in Water: Soluble in water

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25499 100g 14.50

S25499A 500g 30.25

Potassium Phosphate, Tribasic

Tripotassium Phosphate; $K_3PO_4 \cdot nH_2O$

F.W. 212.03

CAS: 7778-53-2

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 8, II: Corrosive

CORROSIVE

REAGENT GRADE

S25501 100g 26.50

S25501A 500g 35.50

Potassium Polyacrylate

Potassium Acrylate

CAS: 25608-12-2

Color: Off White

Solubility in Water: Insoluble

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25502 100g 7.80

S25502A 500g 28.25

Potassium Sodium Tartrate, Tetrahydrate

Seignette Salt; $KNaC_4H_4O_6 \cdot 4H_2O$

F.W. 282.22

CAS: 6381-59-5

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25503 100g 12.50

S25503A 500g 25.00

Potassium Sulfate

Dipotassium Sulfate; K_2SO_4

F.W. 174.27

CAS: 7778-80-5

Color: White

Solubility in Water: Partly soluble in water

Shelf Life: 5 years

MODERATE HAZARD

ACS GRADE

S25505 500g 26.50

LAB GRADE

S25504 500g 17.00

Potassium Thiocyanate

Potassium Rhodanate; KSCN

F.W. 97.18

CAS: 333-20-0

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

ACS GRADE

S25506 100g 14.25

S25506A 500g 65.50

Potassium Thiocyanate Solution, 0.1M

Color: Clear

Solubility in Water: Infinite

MODERATE HAZARD

0.1M

S25872 500mL 8.60

1,2-Propanediol

1,2-Propylene Glycol; $CH_3CHOHCH_2OH$

F.W. 76.10

CAS: 57-55-6

Color: Colorless

Solubility in Water: Miscible with water

Shelf Life: 2 years

MODERATE HAZARD

SOLUTION

S25769 100mL 8.85

S25769A 500mL 17.00

1-Propanol

Propyl Alcohol; $CH_3CH_2CH_2OH$

F.W. 60.10

CAS: 71-23-8

Color: Clear

Solubility in Water: Miscible

Shelf Life: 5 years

DOT Class 3, II: Flammable Liquid

FLAMMABLE

REAGENT GRADE

S25507A 100mL 9.45

S25507 500mL 15.00

Propionic Acid

Ethancarboxylic Acid; CH_3CH_2COOH

F.W. 74.08

CAS: 79-09-4

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 8, II: Corrosive

CORROSIVE

LAB GRADE

S25508 100mL 10.50

Pyridine

Azine; Azabenzene; C_5H_5N

F.W. 79.10

CAS: 110-86-1

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 3, II: Flammable Liquid

FLAMMABLE

REAGENT GRADE

S25762* 50mL 14.50

S25762A* 100mL 29.75

Pyrogallol

Pyrogallollic Acid; $C_6H_3 \cdot 1,2,3 \cdot (OH)_3$

F.W. 126.11

CAS: 87-66-1

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 6.1, II: Poison

HEALTH HAZARD

SOLID

S25509 25g 23.50

Quinine Sulfate, Dihydrate

Quinine Sulfate; $(C_{20}H_{24}N_2O_2)_2 \cdot H_2SO_4 \cdot 2H_2O$

F.W. 782.97

CAS: 6119-70-6

Color: White to off-white

Solubility in Water: Slightly

Shelf Life: 5 years

DOT Class 6.1, III: Poison

HEALTH HAZARD

LAB GRADE - POWDER

S25510 5g 34.00

S25510A 10g 56.25

S25510B 25g 75.00

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Rennin

Rennase

CAS: 9001-98-3

Color: Tan

Solubility in Water: Soluble in water

Shelf Life: 2 years

SOLID

S25511 5g 60.75

MODERATE HAZARD

Resazurin

Biological Stain/Indicator; C₁₂H₆NO₄Na

F.W. 251.17

CAS: 62758-13-8

Color: Black

Solubility in Water: Slightly

Shelf Life: 5 years

SOLID

S25782 1g 20.50

SOLUTION - 1%

S25783 20mL 7.55

MODERATE HAZARD

Resorcinol

1,3-Benzenediol; C₆H₄-1,3-(OH)₂

F.W. 110.11

CAS: 108-46-3

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 6.1, III: *Poison*

POWDER

S25784 25g 14.75

S25784A 100g 30.25

HEALTH HAZARD

Rhodamine B

Basic Violet 10; C₂₈H₃₁ClN₂O₃

F.W. 479.01

CAS: 81-88-9

Color: Green

Solubility in Water: Soluble

Shelf Life: 5 years

SOLID

S25785* 25g 26.75

MODERATE HAZARD

Rhodamine B Staining Solution, 1%

Basic Violet 10

Color: Red

Solubility in Water: Soluble

Shelf Life: 2 years

1%

S25786* 20mL 12.00

MODERATE HAZARD

Ringer's Solution

Physiological Saline

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 5 years

LIQUID - AMPHIBIAN

S25512 500mL 10.25

LIQUID - MAMMALIAN

S25513 500mL 8.60

MODERATE HAZARD

Rose Bengal

Acid Red 94; C₂₀H₂Cl₄Na₂O₅

F.W. 1019.43

CAS: 632-69-9

Color: Red

Solubility in Water: Soluble

Shelf Life: 5 years

SOLID

S25788 5g 73.00

MODERATE HAZARD

Rose Bengal Solution

Acid Red 94

Color: Pink

Solubility in Water: Soluble

Shelf Life: 2 years

SOLUTION

S25789 100mL 21.75

MODERATE HAZARD

Safranin O

Basic Red 2; C₂₀H₉ClN₄

F.W. 350.85

CAS: 477-73-6

Color: Dark Red-brown

Solubility in Water: Soluble in water

Shelf Life: 5 years

SOLID

S25514 25g 32.75

MODERATE HAZARD

Safranin Staining Solution, 1%

Color: Red-Orange

Solubility in Water: Infinite

1%

S25873 500mL 29.00

MODERATE HAZARD

Salicylic Acid

o-Hydroxybenzoic Acid; 2-HOC₆H₄COOH

F.W. 138.12

CAS: 69-72-7

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

LAB GRADE

S25515 100g 8.45

S25515A 500g 22.75

MODERATE HAZARD

Sand, Ottawa

Quartz Silica

F.W. 60.08

CAS: 14808-60-7

Color: White/beige

Solubility in Water: Insoluble

Shelf Life: 5 years

POWDER

S25516* 500g 5.65

S25516B* 1kg 9.75

S25516A* 3kg 20.50

MODERATE HAZARD

Schiff Reagent

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 2 years

Test for aldehydes

SOLUTION

S25794 500mL 18.25

MODERATE HAZARD

Sebacyl Chloride

Sebacyl Chloride; COCl(CH₂)₈COCl

F.W. 239.14

CAS: 111-19-3

Color: Colorless to yellow

Solubility in Water: Slightly

Shelf Life: 1 year

DOT Class 4.3 (8), I: *Dangerous When Wet*

SOLUTION

S25517 25mL 81.00

CORROSIVE

Sebacyl Chloride/Hexane Solution, 4% v/v

Color: Clear, colorless

Shelf Life: 1 year

DOT Class 3, II: *Flammable Liquid*

4%

S25517A 100mL 21.00

FLAMMABLE

Seliwanoff Reagent

Color: Colorless

Shelf Life: 2 years

DOT Class 8, II: *Corrosive*

SOLUTION

S25798 100mL 8.55

CORROSIVE

Sesame Oil

Gingilli Oil, Sextra

CAS: 8008-74-0

Color: Clear yellow

Solubility in Water: Insoluble in water

Shelf Life: 5 years

LIQUID

S25518 100mL 8.65

MODERATE HAZARD

Silica Gel 6-12 Mesh, Non-indicating

Amorphous Silica

F.W. 58.08

CAS: 1343-98-2

Color: White

Solubility in Water: Insoluble

Shelf Life: 2 years

SOLID

S25519 500g 32.75

MODERATE HAZARD



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Silica Gel, Indicating

Amorphous Silica

F.W. 60.08

Color: Blue

MODERATE HAZARD

Solubility in Water: Insoluble, chloride may leach out**Shelf Life:** 2 years**SOLID**

S25520	500g	25.75
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Silicon Metal

Si

F.W. 28.09

CAS: 7440-21-3

MODERATE HAZARD

Color: Silver/gray

Solubility in Water: Insoluble**Shelf Life:** 5 years**POWDER**

S25521	100g	12.25
S25521A	500g	30.00

Silver

Ag

F.W. 107.87

CAS: 7440-22-4

MODERATE HAZARD

Color: Silver

Solubility in Water: Insoluble**Shelf Life:** 5 years**FOIL**

S25522	25g	136.00
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Silver Acetate

Silver Monoacetate; $\text{CH}_3\text{CO}_2\text{Ag}$

F.W. 166.92

CAS: 563-63-3

MODERATE HAZARD

Color: Off-white to gray

Solubility in Water: Soluble**Shelf Life:** 5 years**REAGENT GRADE**

S25523	10g	67.50
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Silver Nitrate

 AgNO_3

F.W. 169.87

CAS: 7761-88-8

Solubility in Water: soluble**Shelf Life:** 5 years**DOT Class 5.1, II: Oxidizer****SOLID**

S25525	25g	95.00
S25525A	500g	1612.00

Silver Nitrate Solutions

Color: Clear, colorless

Solubility in Water: Soluble in water**Shelf Life:** 5 years

MODERATE HAZARD

0.1N

S25527	1L	116.00
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0.5M

S25874	500mL	142.00
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1.0N

S25526	100mL	54.00
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S25526A	500mL	293.00
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Silver Oxide

Argentous Oxide; Ag_2O

F.W. 231.74

CAS: 20667-12-3

REACTIVE & OXIDIZING

Color: Brown/black

Shelf Life: 5 years**DOT Class 5.1 (8), II: Oxidizer****SOLID**

S25528	25g	91.00
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Soap, Castile

Color: Off-white

Shelf Life: 5 years

MODERATE HAZARD

SOLID

S25529	100g	14.25
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Sodium Acetate, Anhydrous

Acetic Acid Sodium Salt; $\text{CH}_3\text{CO}_2\text{Na}$

F.W. 82.03

CAS: 127-09-3

MODERATE HAZARD

Color: White

Solubility in Water: Soluble**Shelf Life:** 1 year**LAB GRADE**

S25530	100g	7.75
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S25530A	500g	15.00
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Sodium Acetate, Trihydrate

Acetic Acid, Sodium Salt, Trihydrate; $\text{CH}_3\text{CO}_2\text{Na}\cdot 3\text{H}_2\text{O}$

F.W. 136.08

CAS: 6131-90-4

MODERATE HAZARD

Color: White

Solubility in Water: Soluble in water, ether**Shelf Life:** 2 years**REAGENT GRADE**

S25531	500g	16.00
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Sodium Benzoate

Benzoic Acid, Sodium Salt; $\text{C}_6\text{H}_5\text{CO}_2\text{Na}$

F.W. 144.11

CAS: 532-32-1

MODERATE HAZARD

Color: White

Solubility in Water: Soluble**Shelf Life:** 5 years**LAB GRADE - SOLID**

S25532	100g	11.75
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Sodium Bicarbonate

Sodium Hydrogen Carbonate; NaHCO_3

F.W. 84.01

CAS: 144-55-8

MODERATE HAZARD

Solubility in Water: Slightly soluble in water**Shelf Life:** 5 years**LAB GRADE**

S25533C	500g	6.45
S25533A	2.5kg	15.50

REAGENT GRADE

S25533	500g	8.45
S25533B	3kg	27.00

Sodium Bismuthate (V)

 NaBiO_3

F.W. 279.97

CAS: 12232-99-4

MODERATE HAZARD

Color: Yellow/brown

Solubility in Water: Insoluble in cold, decomposes in heat**Shelf Life:** 2 years**REAGENT GRADE**

S25534	10g	49.75
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REACTIVE & OXIDIZING

Sodium Bisulfate, Monohydrate

Sodium Hydrogen Sulfate; $\text{NaHSO}_4 \cdot \text{H}_2\text{O}$

F.W. 138.08

CAS: 10034-88-5

CORROSIVE

Color: Colorless

Solubility in Water: Soluble**Shelf Life:** 5 years**DOT Class 8, III: Corrosive****REAGENT GRADE - SOLID**

S25535A	500g	32.50
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Sodium Bisulfite

Sodium Hydrogen Sulfite; NaHSO_3

F.W. 104.07

CAS: 7631-90-5

CORROSIVE

Color: White

Solubility in Water: Soluble**Shelf Life:** 5 years**DOT Class 8, III: Corrosive****REAGENT GRADE**

S25536	100g	7.80
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S25536A	500g	11.75
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Sodium Borate, Decahydrate

Borax; $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$

F.W. 381.42

CAS: 1303-96-4

MODERATE HAZARD

Color: White

Solubility in Water: Soluble**Shelf Life:** 5 years**LAB GRADE**

S25537B	500g	10.50
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REAGENT GRADE

S25537	100g	6.15
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S25537A	500g	18.25
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Sodium Bromide

Bromide Salt of Sodium; NaBr

F.W. 102.9

CAS: 7647-15-6

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

REAGENT GRADE

S25538	100g	9.55
S25538A	500g	22.50

MODERATE HAZARD

Sodium CarbonateNa₂CO₃

F.W. 105.99

CAS: 497-19-8

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

LAB GRADE

S25539	100g	2.95
S25539A	500g	7.60
S25539D	2kg	14.75

REAGENT GRADE

S25539B	500g	12.00
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MODERATE HAZARD

Sodium Carbonate, MonohydrateSoda Ash Monohydrate; Na₂CO₃·H₂O

F.W. 124.00

CAS: 5968-11-6

Color: White

Solubility in Water: Partially soluble

Shelf Life: 5 years

SOLID

S25539C	500g	19.75
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MODERATE HAZARD

Sodium ChlorateNaClO₃

F.W. 106.44

CAS: 7775-09-9

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 5.1, II: Oxidizer

LAB GRADE - CRYSTALS

S25540	500g	14.25
S25540A	2kg	27.50

REACTIVE & OXIDIZING

Sodium Chloride

Salt; NaCl

F.W. 58.44

CAS: 7647-14-5

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

LAB GRADE

S25542	500g	4.95
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REAGENT GRADE

S25541	500g	7.50
S25541A	2.5kg	18.25
S25542A	3kg	39.75
S25541B	12kg	36.00

SOLID - ROCK SALT

S25543	2.5kg	8.60
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MODERATE HAZARD

Sodium Chloride Solutions

Color: Clear

Solubility in Water: Infinite

0.1M

S25875	500mL	4.10
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0.5M

S25876	500mL	6.85
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1M

S25877	500mL	4.40
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MODERATE HAZARD

Sodium Chromate Solution, 0.1M

Color: Yellow

Solubility in Water: Infinite

0.1M

S25878	500mL	8.15
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MODERATE HAZARD

Sodium Chromate, AnhydrousChromic Acid; Na₂CrO₄

F.W. 161.97

CAS: 7775-11-3

Color: Yellow

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 5.1, III: Oxidizer

LAB GRADE

S25544	100g	10.75
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REACTIVE & OXIDIZING

Sodium Citrate, DihydrateCitric Acid Trisodium Salt Trihydrate; Na₃C₆H₅O₇·2H₂O

F.W. 294.10

CAS: 6132-04-3

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

LAB GRADE

S25545	500g	14.75
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MODERATE HAZARD

Sodium Dichromate Solution, 0.1M

Color: Yellow/Orange

Solubility in Water: Infinite

0.1M

S25879***	500mL	10.00
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MODERATE HAZARD

Sodium Dichromate, DihydrateSodium Bichromate; Na₂Cr₂O₇·2H₂O

F.W. 298.00

CAS: 7789-12-0

Color: Reddish/orange

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 5.1, III: Oxidizer

LAB GRADE

S25546***	100g	7.35
S25546A***	500g	17.50

REACTIVE & OXIDIZING

Sodium Fluoride

NaF

F.W. 41.99

CAS: 7681-49-4

Color: White/off-white

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 6.1, III: Poison

LAB GRADE - SOLID

S25547	100g	11.75
S25547A	500g	20.25

HEALTH HAZARD

Sodium Hydroxide

Caustic Soda; NaOH

F.W. 40.00

CAS: 1310-73-2

Color: White

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, II: Corrosive

LAB GRADE

S25548B	500g	9.05
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REAGENT GRADE

S25548	100g	8.20
S25548A	500g	16.00
S25548C	1kg	53.50
S25548D	3kg	80.00

CORROSIVE

Sodium Hydroxide Solution, 0.1N

Caustic Soda

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

0.1N

S25551	500mL	6.00
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MODERATE HAZARD

Sodium Hydroxide Solution, 0.2M

Caustic Soda

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

0.2M

S25880	500mL	7.50
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MODERATE HAZARD

Sodium Hydroxide Solution, 10N

Caustic Soda

Color: Clear solution

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, II: Corrosive

10N

S25550	1L	15.25
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CORROSIVE

Sodium Hydroxide Solutions, 1M/1N

Caustic Soda

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, II: Corrosive

1M SOLUTION

S25549A	1L	7.80
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1N SOLUTION

S25549	1L	11.25
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CORROSIVE

Sodium Hydroxide Solutions, Various

Caustic Soda

Color: Clear

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, II: Corrosive

CORROSIVE

0.5M		
S25881	500mL	7.30
3M		
S25884	500mL	9.50
50%		
S25882	500mL	19.00
6M		
S25883	500mL	11.00

Sodium Hypochlorite Solution, 13%

NaOCl

F.W. 74.44

CAS: 7681-52-9

Color: Clear, light yellow-green

Solubility in Water: Soluble in water

Shelf Life: One year

DOT Class 8, III: Corrosive

CORROSIVE

13%		
S25552	500mL	6.85

Sodium Iodate

Iodic Acid; NaIO₃

F.W. 197.90

CAS: 7681-55-2

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

DOT Class 5.1, III: Oxidizer

REACTIVE & OXIDIZING

REAGENT GRADE		
S25553	100g	38.25

Sodium Iodide

Sodium Monoiodide; NaI

F.W. 149.89

CAS: 7681-82-5

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

LAB GRADE		
S25554	100g	31.25
S25554A	500g	127.00

Sodium Iodide Solutions

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

0.1M		
S25885	500mL	9.10
1M		
S25555	500mL	47.25

Sodium Metal

Natrium; Na

F.W. 22.99

CAS: 7440-23-5

Color: Light Silver

Solubility in Water: Reacts with water

Shelf Life: 2 years

DOT Class 4.3, I: Dangerous When Wet

FLAMMABLE

LAB GRADE		
S25556	10g	31.25
S25556A	100g	55.25

Sodium Nitrate

Chile saltpeter; NaNO₃

F.W. 84.99

CAS: 7631-99-4

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 5.1, III: Oxidizer

REACTIVE & OXIDIZING

LAB GRADE		
S25558	100g	7.95
S25558A	500g	9.70
S25558B	2kg	23.00
REAGENT GRADE		
S25557	500g	21.25

Sodium Nitrate Solutions

Color: Clear, colorless

Solubility in Water: Infinite

Shelf Life: 2 years

MODERATE HAZARD

0.1M		
S25886	500mL	7.55
0.5M		
S25887	500mL	7.95
1M		
S25559	60mL	9.65

Sodium Nitrite

Nitrous Acid, Sodium Salt; NaNO₂

F.W. 69.00

CAS: 7632-00-0

Color: Light yellow

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 5.1 (6.1), III: Poison

REACTIVE & OXIDIZING

REAGENT GRADE		
S25560	100g	12.75
S25560A	500g	27.50

Sodium Oxalate

Ethanedioic Acid; Na₂C₂O₄

F.W. 134.00

CAS: 62-76-0

Color: White

Solubility in Water: Moderately soluble in water

Shelf Life: 1 year

DOT Class 6.1, III: Poison

HEALTH HAZARD

REAGENT GRADE		
S25561	25g	6.40
S25561A	100g	18.25
S25561B	500g	53.50

Sodium Oxalate Solution, 0.1M

Color: Clear

Solubility in Water: Infinite

MODERATE HAZARD

0.1M		
S25888	500mL	7.35

Sodium Phosphate Solution, 0.1M

Color: Clear

Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M		
S25889	500mL	11.25

Sodium Phosphate, Dibasic, Anhydrous

Disodium Hydrogen Phosphate; Na₂HPO₄

F.W. 141.96

CAS: 7758-79-4

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

MODERATE HAZARD

REAGENT GRADE		
S25563	100g	11.25
S25563A	500g	26.00

Sodium Phosphate, Dibasic, Heptahydrate

Disodium hydrogen phosphate heptahydrate; Na₂HPO₄·7H₂O

F.W. 268.07

CAS: 7782-85-6

Color: White

Shelf Life: 5 years

MODERATE HAZARD

CRYSTALS		
S25837	500g	26.25

Sodium Phosphate, Dibasic, Heptahydrate, Reagent Grade

Disodium hydrogen phosphate heptahydrate

F.W. 268.07

CAS: 7782-85-6

Color: White

Solubility in Water: 1.54g/L

Shelf Life: 5 years

MODERATE HAZARD

REAGENT GRADE		
S25837A	100g	12.75

Chemicals are educational grade and are intended for teaching use only.
Not approved for clinical use.



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Sodium Phosphate, Monobasic

Monosodium Dihydrogen Phosphate Monohydrate;
 $\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$

F.W. 137.99

CAS: 10049-21-5

Color: White

Solubility in Water: Soluble in water

Shelf Life: 5 years

REAGENT GRADE - CRYSTALS

S25562A	100g	11.25
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MODERATE HAZARD

Sodium Phosphate, Monobasic, Anhydrous

Sodium Dihydrogen Phosphate; NaH_2PO_4

F.W. 120.00

CAS: 7558-80-7

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

SOLID

S25562	100g	18.00
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MODERATE HAZARD

Sodium Phosphate, Tribasic, Dodecahydrate

Trisodium Orthophosphate Dodecahydrate; $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$

F.W. 380.12

CAS: 10101-89-0

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 8, II: Corrosive

REAGENT GRADE

S25564	500g	14.25
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CORROSIVE

Sodium Polyacrylate

CAS: 9003-04-7

Color: White

Solubility in Water: Insoluble

Shelf Life: 2 years

SOLID

S25565	100g	16.00
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MODERATE HAZARD

Sodium Silicate Solution, 37%

Liquid Sodium Silicate

CAS: 1344-09-8

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 5 years

37%

S25566	500mL	6.40
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S25566A	1L	27.00
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S25566B	3.785L	25.50
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MODERATE HAZARD

Sodium Silicate, Nonahydrate

Sodium Metasilicate; $\text{Na}_2\text{SiO}_3 \cdot 9\text{H}_2\text{O}$

F.W. 284.19

CAS: 13517-24-3

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 8, III: Corrosive

SOLID

S25567	500g	39.25
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CORROSIVE

Sodium Sulfate Solution, 0.1M

Color: Clear

Solubility in Water: Infinite

MODERATE HAZARD

LIQUID

S25890	500mL	7.75
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Sodium Sulfate, Anhydrous

Disodium Sulfate; Na_2SO_4

F.W. 142.04

CAS: 7757-82-6

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

LAB GRADE

S25568	100g	6.95
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S25568A	500g	12.50
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MODERATE HAZARD

Sodium Sulfate, Decahydrate

Disodium Sulfate Decahydrate; $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$

F.W. 322.19

CAS: 7727-73-3

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

REAGENT GRADE

S25569	500g	41.25
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MODERATE HAZARD

Sodium Sulfide Solution, 0.1M

Color: Clear

Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M

S25891	500mL	7.60
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Sodium Sulfide, Nonahydrate

Sodium Monosulfide Nonahydrate; $\text{Na}_2\text{S} \cdot 9\text{H}_2\text{O}$

F.W. 240.18

CAS: 1313-84-4

Color: Light yellow

Solubility in Water: Partly

Shelf Life: 1 year

DOT Class 8, II: Corrosive

LAB GRADE

S25570	100g	15.50
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S25570A	500g	47.75
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CORROSIVE

Sodium Sulfite Solution, 1.0M

Color: Clear

Solubility in Water: Infinite

MODERATE HAZARD

0.1M

S25892	500mL	7.95
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Sodium Sulfite, Anhydrous

Disodium Sulfite; Na_2SO_3

F.W. 126.04

CAS: 7757-83-7

Color: Off-white

Solubility in Water: Soluble

Shelf Life: 1 year

REAGENT GRADE

S25571	500g	10.00
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MODERATE HAZARD

Sodium Thiocyanate

Sodium Rhodanate; NaSCN

F.W. 81.07

CAS: 540-72-7

Color: White

Solubility in Water: Soluble in water

Shelf Life: 1 year

REAGENT GRADE

S25572	100g	16.00
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S25572A	500g	29.50
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MODERATE HAZARD

Sodium Thiosulfate Solution, 0.1M

Color: Clear

Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M

S25893	500mL	4.55
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Sodium Thiosulfate, Anhydrous

Sodium Hyposulfite; $\text{Na}_2\text{S}_2\text{O}_3$

F.W. 158.11

CAS: 7772-98-7

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

REAGENT GRADE

S25573A	500g	16.00
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MODERATE HAZARD

Sodium Thiosulfate, Pentahydrate

Sodium Hyposulfite Pentahydrate; $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$

F.W. 248.18

CAS: 10102-17-7

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

REAGENT GRADE

S25574	100g	10.00
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S25574A	500g	19.00
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S25574B	1kg	14.75
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S25574C	2.5kg	41.50
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MODERATE HAZARD

Spermaceti Wax

Sperm Whale Wax

CAS: 8002-23-1

Color: Waxy

Solubility in Water: Insoluble

Shelf Life: 5 years

SOLID

S25795	100g	17.25
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MODERATE HAZARD

Stannic OxideTin (IV) Oxide; SnO₂

F.W. 150.69

CAS: 18282-10-5

Color: White-slight gray

Solubility in Water: Insoluble

Shelf Life: 5 years

LAB GRADE

S25577	100g	37.75
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MODERATE HAZARD

Stannous Chloride, DihydrateTin (II) Chloride Dihydrate; SnCl₂·2H₂O

F.W. 225.63

CAS: 10025-69-1

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 8, III: Corrosive

LAB GRADE

S25578	25g	14.00
S25578A	100g	34.00
S25578B	500g	77.00

CORROSIVE

StarchAmylodextrin; (C₆H₁₀O₅)_n

CAS: 9005-25-8

Color: White

Solubility in Water: Slightly Soluble

Shelf Life: 5 years

0.5% SOLUTION

S25581	500mL	9.50
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1% SOLUTION

S25584	250mL	8.30
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5% SOLUTION

S25579	500mL	9.70
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POWDER - CORN STARCH

S25580	500g	11.00
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S25580A	2.5kg	27.25
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POWDER - POTATO STARCH

S25583	500g	24.25
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POWDER - SOLUBLE STARCH - LAB GRADE

S25582	100g	18.25
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S25582A	500g	60.50
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MODERATE HAZARD

Stearic Acid1-Heptadecanecarboxylic Acid; CH₃(CH₂)₁₆COOH

F.W. 284.47

CAS: 57-11-4

Color: White

Solubility in Water: Slightly soluble

Shelf Life: 5 years

DOT Class 4.1, III: Flammable Solid

LAB GRADE

S25585	250g	14.00
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FLAMMABLE

Steel

Color: Gray

Solubility in Water: Insoluble

Shelf Life: 5 years

STEEL SHOT

S25587	500g	9.20
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STEEL WOOL

S25586	500g	18.75
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MODERATE HAZARD

Streptomycin SulfateStreptomycin A Sulfate; C₄₂H₈₄N₁₄O₃₆S₃

F.W. 728.69

CAS: 3810-74-0

Color: White

Solubility in Water: Soluble in water

Shelf Life: 2 years

SOLID

S25797**	5g	38.25
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MODERATE HAZARD

Strontium Chloride, HexahydrateSrCl₂·6H₂O

F.W. 266.62

CAS: 10025-70-4

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

LAB GRADE

S25588	25g	6.00
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S25588A	100g	9.00
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S25588B	500g	27.50
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MODERATE HAZARD

Strontium NitrateSr(NO₃)₂

F.W. 211.63

CAS: 10042-76-9

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 5.1, III: Oxidizer

LAB GRADE

S25589	100g	11.00
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S25589A	500g	24.00
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REACTIVE & OXIDIZING

Succinic AcidButanedioic Acid; (CH₂COOH)₂

F.W. 118.09

CAS: 110-15-6

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 5 years

CRYSTALS

S25790	100g	20.75
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MODERATE HAZARD

SucroseC₁₂H₂₂O₁₁

F.W. 342.30

CAS: 57-50-1

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

REAGENT GRADE

S25590	500g	13.50
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S25590A	1kg	19.75
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S25590B	2.5kg	37.50
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MODERATE HAZARD

Sudan III2-Naphthalenol; C₂₂H₁₆N₄O

F.W. 352.40

CAS: 85-86-9

Color: Dark red to brown

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 4.1, II: Flammable Solid

SOLID

S25593	10g	10.75
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S25593A	25g	20.50
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FLAMMABLE

Sudan III, 0.2% in Alcohol Solution

Color: Red

Solubility in Water: Infinite

Shelf Life: 18 months

DOT Class 3, II: Flammable Liquid

0.20%

S25591	100mL	8.30
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FLAMMABLE

Sudan IV

Oil Red

CAS: 85-83-6

Color: Red

Solubility in Water: Insoluble

Shelf Life: 5 years

SOLID

S25594	10g	17.50
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Sudan IV, 0.05% in Acetone Solution

Oil Red

Color: Red

Solubility in Water: Soluble in water

Shelf Life: 18 months

DOT Class 3, II: Flammable Liquid

0.05%

S25592	100mL	9.85
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FLAMMABLE

Sulfamic AcidAmidosulfonic Acid; H₂NSO₃H

F.W. 97.09

CAS: 5329-14-6

Color: White

Solubility in Water: Soluble

Shelf Life: 12 months

DOT Class 8, III: Corrosive

SOLID

S25792	50g	11.75
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CORROSIVE

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Not approved for clinical use.

Sulfanilic Acidp-Aminobenzene Sulfonic Acid; $\text{NH}_2\text{C}_6\text{H}_4\text{SO}_3\text{H}\cdot\text{H}_2\text{O}$

F.W. 173.19

CAS: 121-57-3

Color: off/white

Solubility in Water: Slightly

Shelf Life: 5 years

SOLID

S25793A	100g	50.00
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MODERATE HAZARD

Sulfur

Sulphur; S

F.W. 32.06

CAS: 7704-34-9

Color: Yellow

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 9, III: *Miscellaneous***LAB GRADE - FLOWERS**

S25596	100g	6.75
S25596A	500g	11.25
S25596B	2.5kg	25.00

LAB GRADE - ROLL

S25595A	3kg	21.00
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REAGENT GRADE - ROLL

S25595	500g	4.00
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FLAMMABLE

Sulfuric Acid Solution, 0.05M/0.1M

Color: Clear

Solubility in Water: Infinite

Shelf Life: 2 years

0.05M

S25895*	500mL	11.00
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0.1M

S25896*	500mL	10.25
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Sulfuric Acid Solutions H_2SO_4

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, II: *Corrosive***1N**

S25598*	500mL	8.30
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S25598A*	1L	14.00
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10N

S25599*	500mL	16.50
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CORROSIVE

Sulfuric Acid Solutions, Various

Color: Clear

Solubility in Water: Infinite

Shelf Life: 2 years

DOT Class 8, II: *Corrosive***1M**

S25897*	500mL	10.50
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2M

S25898*	500mL	13.25
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3M

S25899*	500mL	12.00
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6M

S25900*	500mL	15.25
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CORROSIVE

Sulfuric Acid, pH 3 to 3.5 H_2SO_4

Color: Clear Colorless

Solubility in Water: Infinite

Shelf Life: 2 years

pH 3 TO 3.5

S25599C*	500mL	7.50
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S25599A*	1L	8.25
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S25599B*	4L	12.50
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MODERATE HAZARD

Sulfuric Acid, Reagent/ACS Grades H_2SO_4

F.W. 98.07

CAS: 7664-93-9

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, II: *Corrosive***ACS GRADE - SAFE-COTE**

S25597*	500mL	24.00
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REAGENT GRADE

S25894*	2.5L	43.00
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CORROSIVE

TalcTalcum; Soapstone; $3\text{MgO}\cdot 4\text{SiO}_2\cdot \text{H}_2\text{O}$

F.W. 166.40

CAS: 14807-96-6

Color: off/white

Solubility in Water: Insoluble

Shelf Life: 5 years

SOLID

S25799*	500g	12.75
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MODERATE HAZARD

Tannic AcidTannin; $\text{C}_{76}\text{H}_{42}\text{O}_{46}$

F.W. 1701.22

CAS: 1401-55-4

Color: Yellow-Brown

Solubility in Water: Soluble

Shelf Life: 5 years

LAB GRADE

S25600	100g	19.00
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MODERATE HAZARD

Tartaric AcidThreatic Acid; $\text{HO}_2\text{CCH}(\text{OH})\text{CH}(\text{OH})\text{CO}_2\text{H}$

F.W. 150.09

CAS: 87-69-4

Color: White

Solubility in Water: Water soluble

Shelf Life: 5 years

LAB GRADE

S25601	100g	12.50
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S25601A	500g	25.00
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MODERATE HAZARD

TetrahydrofuranTHF; $\text{C}_4\text{H}_8\text{O}$

F.W. 72.11

CAS: 109-99-9

Color: Colorless

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 3, II: *Flammable Liquid***SOLUTION**

S25802	100mL	24.75
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FLAMMABLE

Thermit Kit

Contains: Ferric(ous) Oxide - Black and Aluminum

Metal - Fine Powder

Procedure: Mix contents to create Thermit

Mixture Ignition Temperature: approx. 1200°C

KIT

S25602	Ea.	46.25
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Thionin

3,7-Diaminophenothiazin-5-ium Chloride

F.W. 263.74

CAS: 581-64-6

Color: Black-Green

Solubility in Water: Soluble

Shelf Life: 5 years

SOLID

S25816	1g	16.50
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MODERATE HAZARD

Thionin Solution

Color: Purple

Shelf Life: 5 years

SOLUTION

S25817	100mL	24.75
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MODERATE HAZARD

ThymolThymic Acid; $\text{CH}_3(\text{C}_3\text{H}_7)\text{C}_6\text{H}_4\text{OH}$

F.W. 150.22

CAS: 89-83-8

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

DOT Class 8, III: *Corrosive***LAB GRADE**

S25603	100g	21.50
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CORROSIVE

Thymol Blue Solution, 0.04%

Color: Clear, dark blue/green

Solubility in Water: Infinite

Shelf Life: 18 months

0.04%

S25605	100mL	8.95
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MODERATE HAZARD

* California - WARNING: Cancer www.P65Warnings.ca.gov** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Thymol Blue, Sodium Salt

Thymolsulfonephthalein; $C_{27}H_{29}NaO_5S$

F.W. 466.267

CAS: 81012-93-3

Color: Green-red to Brown

Solubility in Water: Water soluble

Shelf Life: 5 years

SOLID

S25604	5g	11.25
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MODERATE HAZARD

Thymolphthalein

TP; $C_{28}H_{30}O_4$

F.W. 430.52

CAS: 125-20-2

Color: White

Shelf Life: 5 years

REAGENT GRADE

S25606	5g	15.75
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MODERATE HAZARD

Thymolphthalein Solution, 0.04%

Color: Clear, colorless

Solubility in Water: Completely soluble

Shelf Life: 18 months

DOT Class 3, II: Flammable Liquid

0.04%

S25607	100mL	6.95
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FLAMMABLE

Tin

Metallic Tin; Sn

F.W. 118.70

CAS: 7440-31-5

Color: Gray

Solubility in Water: Slightly soluble in hot water

Shelf Life: 5 years

REAGENT GRADE - MOSSY

S25609	100g	25.25
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S25609A	500g	116.00
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REAGENT GRADE - POWDER

S25608	100g	31.50
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S25608A	500g	61.25
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REAGENT GRADE - SHOT

S25610	100g	34.50
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MODERATE HAZARD

Titanium Dioxide

Anatase; TiO_2

F.W. 79.88

CAS: 13463-67-7

Color: White

Solubility in Water: Insoluble

Shelf Life: 5 years

SOLID

S25818	100g	15.50
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S25818A	500g	45.50
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MODERATE HAZARD

Toluene

Tol, Methylbenzene; $CH_3C_6H_5$

F.W. 92.14

CAS: 108-88-3

Color: Clear

Solubility in Water: Insoluble

Shelf Life: 2 years

DOT Class 3, II: Flammable Liquid

SOLUTION

S25611**	500mL	9.40
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S25611A**	1L	18.25
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FLAMMABLE

Toluidine Blue O Solution, 0.5%

Color: Clear, bluish-purple

Solubility in Water: Infinite

Shelf Life: 18 months

0.5%

S25612	15mL	5.90
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S25613	100mL	13.25
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MODERATE HAZARD

Trichloroacetic Acid

Trichloroethanoic Acid; CCl_3COOH

F.W. 163.39

CAS: 76-03-9

Color: White

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, II: Corrosive

LAB GRADE

S25614*	100g	18.00
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CORROSIVE

Triethanolamine

2,2,2-Nitrioltriethanol; $N(CH_2CH_2OH)_3$

F.W. 149.19

CAS: 102-71-6

Color: Light yellow

Shelf Life: 5 years

REAGENT GRADE

S25615	500mL	62.50
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MODERATE HAZARD

Tris Borate EDTA

TBE 5X Buffer

Color: Clear, colorless

Solubility in Water: Soluble

Shelf Life: 2 years

LIQUID

S25616	500mL	11.25
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MODERATE HAZARD

Tris(hydroxymethyl) Aminomethane

THAM; $H_2NC(CH_2OH)_3$

F.W. 121.14

CAS: 77-86-1

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

SOLID

S25617	100g	38.25
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MODERATE HAZARD

Trypsin

Trypure

CAS: 9002-07-7

Color: White

Solubility in Water: Soluble

Shelf Life: 2 years

SOLID

S25839	25g	106.00
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S25618	100g	68.00
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MODERATE HAZARD

Tryptone

CAS: 73049-73-7

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

SOLID

S25827	100g	31.25
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MODERATE HAZARD

L-Tyrosine

3-(4-Hydroxyphenyl)-L-Alanine; $HOC_6H_4CH_2CH(NH_2)CO_2H$

F.W. 181.19

CAS: 60-18-4

Color: White

Solubility in Water: Slightly

Shelf Life: 5 years

SOLID

S25829	5g	18.50
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MODERATE HAZARD

Universal Indicator Solution

Universal pH Indicator

Color: Clear green

Solubility in Water: Soluble in water

Shelf Life: 18 months

DOT Class 3, II: Flammable Liquid

COLOR CHART

S25619	Ea.	3.10
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SOLUTION

S25363B	100mL	9.25
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S25363	500mL	19.50
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SOLUTION WITH COLOR CHART

S25363A	1L	26.50
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FLAMMABLE

Urea

Carbamide Resin; NH_2CONH_2

F.W. 60.06

CAS: 57-13-6

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

REAGENT GRADE

S25620	100g	6.10
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S25620A	500g	11.75
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MODERATE HAZARD

Chemicals are educational grade and are intended for teaching use only.
Not approved for clinical use.

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** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Urease

Urea Amidohydrolyase

CAS: 9002-13-5

Color: White-yellow

Solubility in Water: Soluble in water

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25621	10g	21.00

Vegetable Oil

Soybean Oil

CAS: 8001-22-7

Color: Clear, yellow

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

SOLUTION		
S25622A	32 oz.	16.00
S25622	500mL	5.70

Vinegar

Color: Clear, colorless

Solubility in Water: Infinite

Shelf Life: 5 years

MODERATE HAZARD

LIQUID - CIDER		
S25624	1L	8.55
S25624A	3.8L	11.25
LIQUID - WHITE		
S25623	500mL	6.20
S25623A	3.8L	11.00

Water

F.W. 18.02

CAS: 7732-18-5

Color: Clear

Shelf Life: 5 years

Use: Not for human consumption

MODERATE HAZARD

DEIONIZED, TYPE II		
S25293	4L	9.25
DISTILLED		
S25868	1 gal.	10.25

Winkler's Solution No. 2

Oxygen Determining Solution

Color: Clear, colorless

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 8, II: Corrosive

CORROSIVE

SOLUTION		
S25625	500mL	7.65

Wright's Blood Stain Buffer

Giordan pH 6.4

Color: Clear, colorless

Solubility in Water: Infinite

Shelf Life: 2 years

MODERATE HAZARD

SOLUTION		
S25628	1L	50.00

XylenesXyloI; C₈H₁₀(CH₃)₂

F.W. 106.17

CAS: 1330-20-7

Color: Clear

Solubility in Water: Insoluble

Shelf Life: 2 years

DOT Class 3, III: Flammable Liquid

FLAMMABLE

SOLUTION		
S25629*	500mL	12.25

D (+) XyloseWood Sugar; C₅H₁₀O₅

F.W. 150.13

CAS: 58-86-6

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25630	25g	6.35

Yeast, Active, Dry

Brewer's

CAS: 8013-01-2

Color: Tan

Solubility in Water: Soluble in water

Shelf Life: 2 years

MODERATE HAZARD

POWDER		
S25632	100g	10.75
S25632A	500g	20.75

Yttrium OxideYttrium (III) Oxide; Y₂O₃

F.W. 225.81

CAS: 1314-36-9

Color: White

Shelf Life: 2 years

MODERATE HAZARD

SOLID		
S25833	10g	19.50

Zeolite

Cationic Exchange Resins

CAS: 1318-02-1

Color: White

Solubility in Water: Insoluble

Shelf Life: 5 years

MODERATE HAZARD

SOLID		
S25834	500g	28.50

Zinc Acetate, Dihydrate(CH₃CO₂)₂Zn·2H₂O

F.W. 219.50

CAS: 5970-45-6

Color: White

Solubility in Water: Soluble

Shelf Life: 5 years

MODERATE HAZARD

REAGENT GRADE		
S25634	100g	9.00

Zinc ChlorideZinc Butter; ZnCl₂

F.W. 136.29

CAS: 7646-85-7

Color: White

Solubility in Water: Soluble

Shelf Life: 1 year

DOT Class 8, III: Corrosive

CORROSIVE

REAGENT GRADE		
S25635A	100g	9.10
S25635	500g	13.50

Zinc Nitrate Solution, 0.1M

Color: Clear

Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M		
S25901	500mL	7.90

Zinc Nitrate, HexahydrateZn(NO₃)₂·6H₂O

F.W. 297.47

CAS: 10196-18-6

Color: White

Solubility in Water: Soluble in water

Shelf Life: 5 years

DOT Class 5.1, II: Oxidizer

REACTIVE & OXIDIZING

REAGENT GRADE		
S25640	100g	11.75
S25640A	500g	24.50

Zinc Oxide

ZnO

F.W. 81.38

CAS: 1314-13-2

Color: Off-White

Solubility in Water: Insoluble in water

Shelf Life: 5 years

DOT Class 9, III: Miscellaneous

HEALTH HAZARD

REAGENT GRADE		
S25641	500g	20.75

Zinc Sulfate Solution, 0.1M

Color: Clear

Solubility in Water: Soluble in water

MODERATE HAZARD

0.1M		
S25902	500mL	3.95

Zinc Sulfate, HeptahydrateZinc Vitriol; ZnSO₄·7H₂O

F.W. 287.54

CAS: 7446-20-0

Color: White

Solubility in Water: Soluble in water

Shelf Life: 2 years

DOT Class 9, III: Miscellaneous

HEALTH HAZARD

REAGENT GRADE		
S25642	100g	8.95
S25642A	500g	19.00



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** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

Zinc Sulfide

ZnS

F.W. 97.44

CAS: 1314-98-3

Color: Off-white

Solubility in Water: Insoluble

Shelf Life: 2 years

MODERATE HAZARD

SOLID

S25643	500g	15.00
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Zinc, Granular

Zn

F.W. 65.38

CAS: 7440-66-6

Color: Gray

Solubility in Water: Reacts with water

Shelf Life: 5 years

MODERATE HAZARD

REAGENT GRADE - 20 TO 30 MESH

S25633	500g	47.75
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Zinc, Metal Pieces

Zn

F.W. 65.38

CAS: 7440-6-6

Color: Gray

Solubility in Water: Insoluble

Shelf Life: 5 years

Reacts with water or moisture

MODERATE HAZARD

PIECES (1 × 1.2 × 0.05CM)

S25644	100/Pk	26.75
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Zinc, Metal Powder

Zinc Dust; Zn

F.W. 65.37

CAS: 7440-6-6

Color: Light Blue

Solubility in Water: Insoluble

Shelf Life: 5 years

DOT Class 4.3, II: Flammable

Reacts with water or moisture

FLAMMABLE

REAGENT GRADE - SOLID

S25637	500g	40.00
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Zinc, Mossy

Zn

F.W. 65.38

CAS: 7440-6-6

Color: Blue/Gray/White

Solubility in Water: Reacts with water

Shelf Life: 5 years

Reacts with water or moisture

MODERATE HAZARD

LAB GRADE

S25636B	500g	26.00
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REAGENT GRADE

S25636	500g	23.25
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S25636A	2.5kg	66.25
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Zinc, Sheet

Zn

F.W. 65.38

CAS: 7440-6-6

Color: Gray

Solubility in Water: Reacts with water

Shelf Life: 5 years

Reacts with water or moisture

MODERATE HAZARD

SHEET

S25638	12 × 12 in.	28.00
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S25638A	6 × 12 in.	16.00
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Zinc, Shot

Zinc Dust; Zn

F.W. 65.38

CAS: 7440-6-6

Color: Gray

Solubility in Water: Reacts with water

Shelf Life: 5 years

Reacts with water or moisture

MODERATE HAZARD

REAGENT GRADE

S25639	100g	18.00
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Zinc, Strips

Zn

F.W. 65.38

CAS: 7440-20-0

Zinc sulfate heptahydrate

Density: 7.14 g/cm³ at 20°C

7440-20-0

Boiling Point: 908°C

Melting Point: 419°C

MODERATE HAZARD

Strips

S25910	2 × 1/4 in.	12.75
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Gram Stain Kit

Bacteria stain set for Gram negative and positive results.

- Uses 1% Gentian violet solution, Gram's iodine solution, 95% ethanol (decolorizer), and 1% safranin solution
- Gram's iodine solution packaged in PVC bottle
- Maximum performance over 12-month shelf life ensured

Includes:

- Three large-volume pipets
- Instructions

GRAM STAIN KIT

S25344	34.25
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Lens Cleaning Solution

Cleans glass or hard plastic safely, quickly and effectively.

- Unique formula cleans without leaving a residue
- Ideal for precision lens or prism cleaning because it does not dry too quickly

LENS CLEANING SOLUTION

S25438	9.80
--------	------

Lab Grade Sand

- Fine
- White
- 1 kg

SAND

S2516B	9.75
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Chemicals are educational grade and are intended for teaching use only.
Not approved for clinical use.

Rock Specimens for Hands-On Learning

To teach your students about rocks, minerals, and geology, you need the right tools. That's why the Fisher Science Education brand proudly offers a full selection of rock collections, as well as individual specimens, for your classroom.



Featured Eisco Rock Kits

Description	Cat. No.
Mohs Hardness (9 specimens): For comparing minerals on a hardness scale from 1 to 9	S24660
Physical Properties of Minerals (12 specimens): Study color, luster, hardness, crystal habit, streak, and specific density	S24661
Intro to Minerals (12 specimens): Introduction to earth science	S24662
Basic Rocks and Minerals (40 specimens): Learn how to identify rocks and minerals	S24663
Igneous Rocks (12 specimens): Learn about rocks formed from cooled and crystallized magma or lava	S24664
Sedimentary Rocks (12 specimens): Use grain size and composition to identify the origin of sedimentary rocks	S24665
Metamorphic Rocks (12 specimens): Classify rocks based on foliation and metamorphism grade	S24666
Conglomerate Rock (1 specimen): Large clasts within rock are ideal for teaching students about rounding and sorting	S24722
Galena Mineral (1 specimen): Density is ideal for the study of specific gravity; reflective cube crystals illustrate metallic luster	S24687

Most rock specimens are available as both single samples and packs of 12. Other sample types are available.

Visit fisheredu.com or contact your Fisher Science Education sales representative to access our full selection of products.

Earth and Space

Geology

Introductory Rock Collection

15 Specimens compare the three different types of rocks.

- Igneous, metamorphic, and sedimentary rocks are all represented in this classroom collection
- Coded by number in a compartmented container
- Rock size (approx.): 1.5 x 1.5 in.



INCLUDES: Identification key and rock cycle chart

Cat. No.	Description	Price
S45059	Introductory Rock Collection	26.35/Ea

Introductory Rock and Mineral Collection

Designed to match most introductory-level textbooks

This all-in-one collection covers a broad range of demonstration needs!

The 75 specimens for observation, comparison, and testing include 13 igneous rocks; 14 sedimentary rocks; 9 metamorphic rocks; 17 rock-forming minerals; 9 samples from the hardness scale (diamond omitted); and 13 examples of important physical properties (specific gravity, tenacity, cleavage, fracture, luster, streak, refraction, magnetism, and acid test).



INCLUDES:

A handbook, streak plate, magnifier, and magnet come with the collection.

Cat. No.	Description	Price
S45051	Introductory Rock and Mineral Collection	103.20/Ea

Classroom Rock and Mineral Collection

50 rock and mineral specimens.

Samples have been carefully selected to support studies of:

- Rock-forming minerals
- Igneous, metamorphic, and sedimentary comparison
- Ores of common metals
- Sources of uranium
- Hardness scale
- Specimen dimensions (approx.): 1 x 1 in.



INCLUDES: Manual and description key

Cat. No.	Description	Price
S84011	Classroom Rock and Mineral Collection	42.75/Pk

Learn Your Minerals Kit

Follow step-by-step instructions to easily learn the properties of minerals.

- Specimens clearly illustrate the properties of hardness, cleavage, fracture, tenacity, and streak

INCLUDES:

22 specimens: 1.25 x 1.25 in. (3.18 x 3.18cm); streak plate; numbering kit; compartmented collection box; detailed study guide



Cat. No.	Description	Price
S67607	Learn Your Minerals Kit	64.10/Ea

Classroom Mineral Collection

36 specimens numbered and housed in compartmented box.

- Collection encompasses basic rock-forming minerals, Mohs hardness scale, ore minerals, and industrial minerals
- Identification list provided
- Mineral size (approx.): 1 in.



Cat. No.	Description	Price
S67605	Classroom Mineral Collection	66.20/Ea

Rock and Mineral Test Kit

Identify rock and mineral characteristics.

Includes:

- Black and white ceramic streak plates
- Glass plate
- Nail
- Penny
- Magnet
- Dropping bottle
- Magnifying lens
- Mohs Hardness Scale chart

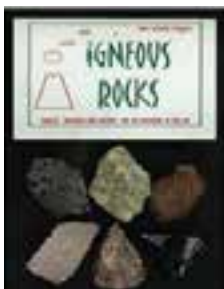


Cat. No.	Description	Price
S44872	Rock and Mineral Test Kit	16.93/Ea

Igneous Rock Bag

Collection of six specimens of various sizes.

- Unnumbered samples promote identification skills
- Rocks range in size from 1 to 1.5 in.
- Names of the rocks are included on the bag



Cat. No.	Description	Price
S79094	Igneous Rock Bag	3.39/Ea

Sedimentary Rock Collection

15 Specimens demonstrate the three categories of sedimentary rocks.

- Displays sedimentary rocks of all three categories:
- Clastic—accumulation of solid particles
- Chemical—from evaporation of water
- Organic—modified skeletons of plants and animals
- Store in a sturdy compartmented box
- Labeled in both English and Spanish

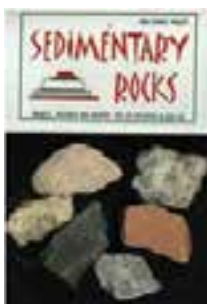


Cat. No.	Description	Price
S45022A	Sedimentary Rock Set	26.35/Pk

Sedimentary Rock Bag

Traces of what nature left behind.

Collection displays six unnumbered sedimentary rock samples, measuring approximately 1 to 1.5 in., are packaged in a bag.



Cat. No.	Description	Price
S79095	Sedimentary Rock Bag	3.02/Ea

Premium Sedimentary Rock Collection

12 Samples that the whole room can see.

- Store in a sturdy compartmented box
- Rock size (approx.): 3.25 x 2.75 in. (8.3 x 7cm)

INCLUDES:

- Rock Cycle chart
- Sedimentary Rocks chart
- Magnifying glass
- Explanations of the rocks' mineral contents



Cat. No.	Description	Price
S67116	Premium Sedimentary Rock Collection	58.60/Pk

Learn Your Fossils Kit

Learn about and classify fossils that are many hundreds of millions of years old.

- Step-by-step instructions

INCLUDES:

24 fossils, magnifier, numbering kit, compartmented collection box and detailed study guide



Cat. No.	Description	Price
S67608	Learn Your Fossils Kit	45.10/Ea

Introductory Fossil Collection

20 fossils offer broad array of geological time.

- With some samples ranging from more than 400 million years old, this collection is displayed in a durable, compartmented box.
- Illustrated key gives pertinent facts about each fossil including its geological time
- 20 selected fossils including foraminifer, horn coral, snails, trilobite, shark's tooth, bryozoan, brachiopod, cephalopod, clams, and oyster



Cat. No.	Description	Price
S45057	Introductory Fossil Collection	31.55/Pk

Advanced Fossil Collection

Advanced collection includes 30 demonstration specimens of animal phyla and plants. Each specimen is coded by number in a compartmented container.



Cat. No.	Description	Price
S45010	Advanced Fossil Collection	35.70/Ea

Open Your Own Geode

Open geodes in the classroom.

- Amaze students when you open geodes and see the magnificent crystals inside
- Specimen size: 1 to 1.5 in. (2.54 to 3.81cm)

INCLUDES:

Two unopened geodes and instructions



Cat. No.	Description	Price
S79092	Open Your Own Geode	22.70/Pk

Metamorphic Rock Collection

15 Specimens demonstrate how heat, pressure, and chemical action affect rocks.

- Demonstrates the physical characteristics that accompany temperature, pressure, and/or chemical changes
- Store in a sturdy compartmented box
- Labeled in both English and Spanish
- Rock size (approx.): 1.5 × 1.5 in. (3.8 × 3.8cm)



Cat. No.	Description	Price
S45021A	Metamorphic Rock Set	26.60/Pk

Metamorphic Rock Bag

Collection of six specimens of various sizes.

- Unnumbered samples promote identification skills
- Rocks range in size from 1 to 1.5 in.
- Names of the rocks are included on the bag



Cat. No.	Description	Price
S79096	Metamorphic Rock Bag	3.39/Ea

Premium Metamorphic Rock Collection

12 Samples great for classroom demonstrations.

- Contain excellent examples of rocks and minerals that have undergone a metamorphic change
- Rock size (approx.): 3.25 × 2.75 in. (8.3 × 7cm)



INCLUDES:

- Rock Cycle chart
- Metamorphic Rocks chart
- Magnifying glass
- Explanations of the rocks' mineral contents

Cat. No.	Description	Price
S67115	Premium Metamorphic Rock Collection	56.30/Pk

Cadet Compass

Combines plotting, bearings, slope angles, dip, strike, hand-leveling, and basic mapping procedures.

- Peep-sight and sighting hole
- Lightweight plastic body
- Azimuth resolution: 2°
- Azimuth graduations: 0° to 360° and 0° to 90°
- L × W × D: 3.3 × 3.3 × 0.9 in. (8.25 × 8.25 × 2.29cm)
- Inclination resolution: 2°
- Inclination graduations: 0° to 90°



Cat. No.	Description	Price
S43168	Cadet Compass	132.00/Ea

Military Field Compass

Accurate and shock resistant compass preferred by military forces.

- Contains several features
- Works with USGS topographical maps
- Graduated in 6400 mil increments
- Lens with dial graduated in 0° to 360° in 5 degree increments
- Calibrated to North America
- Includes instructions, sighting wire, rotating bezel



Cat. No.	Description	Price
S28113	Military Field Compass	8.10/Ea

Science First™ Orienteering Compass

Basic, accurate compass to get started with map and compass work.

- Graduated in 2° increments and features four scales
- Black bezel with easy-to-read print
- Has liquid-filled capsule, declination correction scale, luminous points, and 4X magnifier in base
- Acrylic base offers scales in inches, centimeters, 1:25,000, and 1:50,000



INCLUDES: Compass, red base, lanyard and instructions

Cat. No.	Description	Price
S96996	Orienteering Compass	6.80/Ea

United Scientific™ Liquid-Filled Compass

Durable liquid-filled compass housed in a black rotatable bezel.

- Durable, liquid-filled clear magnetic compass
- Housed in a black plastic rotatable bezel with an outside diameter of 45mm
- Outer diameter of clear compass is 35mm
- Graduated in 5° increment
- Includes a lanyard



Cat. No.	Description	Price
S43686	Liquid-Filled Compass	1.90/Ea

Mineral Hammer-Pick

Trim small samples from large rocks.

- Single-piece construction of forged steel
- Nylon-cushioned handle
- Combination flat and pick head
- 22 oz.
- Best for Igneous and Metamorphic Rocks



Cat. No.	Description	Price
S45044	Hammer-Pick	35.75/Ea

Chipping Hammer

Shock Reduction Grip™ offers comfort and durability, reducing vibrations caused by impact.

- Made of Nylon Vinyl
- Head and handle are forged in one piece and polished
- Best for Sedimentary Rocks

ORDERING INFORMATION:

Overall length: 11 in. (279mm),
Head weight: 14 oz. (392g)



Cat. No.	Description	Price
S45042	Chipping Hammer	17.57/Ea

Pocket Loupe

Handy foldaway magnifier is always ready for close looks.

Have this compact pocket loupe always at hand for quick, close-up magnifying. The lens is protected by an integral fold-over metal case.

- 16x magnification



Cat. No.	Description	Price
S19027	Pocket Loupe	15.25/Ea

TriView Folding Loupe Magnifier

- 3 lenses
- 5x magnification
- 30mm lens dia.
- Protective case



Cat. No.	Description	Price
S01928	Loupe; 3 lenses each 5X magnification; Lens size: 30mm; Includes protective case	6.88/Ea

United Scientific™ 5X/10X Double Lens

Folding magnifiers in plastic cases.

Compact magnifier is doubly useful with 5X, 10X capabilities.

This versatile magnifier offers double the magnifications of similarly sized magnifiers. It features two 25mm lenses, which allow you to view objects at 5X their size with one lens or 10X their size when you use both lenses in combination.



Cat. No.	Description	Price
S19004	Double Lens 5X/10X	6.70/Ea

Eisco Mohs Hardness Kit

For use in field, laboratory, or for personal use to determine hardness of unidentified samples. EISCO Mohs Hardness Kit contains nine specimens with distinct hardness and key.

- Classroom tool for hands-on demonstration of mineral hardness
- Numbered and stored in sturdy, sectioned container for easy access and safety



INCLUDES:

Talc, gypsum, calcite, fluorite, apatite, feldspar, quartz, topaz, corundum

Cat. No.	Description	Price
S24660	Mohs Hardness Kit	20.50/Ea

United Scientific™ Glass Streak Plates

Used for hardness testing of rocks and minerals.

- Thickness: ¼ in.



Cat. No.	Width (English)	Width (Metric)	Price
S67817	1 in.	2.5cm	7.45/Pk
S67818	2 in.	5.08cm	16.75/Pk

Diversified Woodcrafts™ Augmented Reality Sandbox

Allows users to create topography models by shaping real sand, which is then augmented in real time by an elevation color map, topographic contour lines, and simulated water and lava.

This amazing sandbox uses 3D visualization applications and a hands-on exhibit combining a real sandbox, virtual topography and water created using a closed loop of a Microsoft Kinect 3D camera, powerful simulation and visualization software, and a data projector.

The system teaches geographic, geologic, and hydro-logic concepts such as how to read a topography map, the meaning of contour lines, watersheds, catchment areas, levees, and much more.

- 48W × 30D × 36H in.
- Solid oak and oak veneer construction with heavy duty locking casters
- SEFA compliant and MAS Certified Green — Finished with a durable UV earth-friendly finish
- Includes detailed instructions for calibrating the software and running the program
- Features a shelf for laptop with wire management system
- Kit includes Microsoft Kinect 3D camera, powerful simulation and visualization software, and a data projector
- Made in the USA



Note: Sand not included **WARRANTY:** Limited Lifetime

Cat. No.	Description	Price
S37563	Augmented Reality Sandbox	8000.00/Ea

Geography

Write-On Dry Erase Globe

Helps students learn geography. Globe can be written on with a dry-erase marker, and helps students memorize geographic locations.

- Made from dry-erase material
- Set in sturdy plastic base
- Continents outlined
- Latitude and longitude lines shown
- Can be cleaned with soft cloth



Cat. No.	Description	Price
S28100	Write-On Globe	53.75/Ea

Traveler Political Globe

Scratch-resistant world globe with mountain ranges around the globe rendered in raised relief and crisp, bright colors used to denote each country, this globe is a great tool for helping children of all ages learn world geography.

- 12 in. diameter; 16-inch height
- Blue oceans with brightly-colored land formations
- Scratch-resistant black acrylic base
- Semi-meridian in a smoky-gray finish
- Raised relief surface clearly denotes mountain ranges



Cat. No.	Description	Price
S04401	Political Globe	47.75/Ea

Inflatable Globe

Make a game of geography. For age group between 5 to 13.

- Kids can toss this globe and identify continents, countries, capitals and oceans or hang for display

INCLUDES:

A repair kit and an activity guide



Cat. No.	Description	Price
S98487	Inflatable Globe	9.00/Ea

Oceanography Charts

Two charts depicting ocean floor as well as major seas, lakes, and trenches.

- Full-color maps suitable for framing
- Large chart: 29 x 39 in. (73.6 x 99cm)
- Secondary chart: 18 x 25 in. (45.7 x 63.5cm)



Large chart:

- Explanation of continental drift theory
- Cutaway views of continents and ocean basins
- Table of major bodies of water and trenches dimensions
- Chemical composition and physical properties of sea waters
- Explanation of the Beaufort scale
- Chart depicting major surface currents
- Ocean tides and how they occur

Secondary chart:

- Made specifically for student review and testing

Cat. No.	Description	Price
S45564	Oceanography Charts	32.75/Pk

LAB-AIDS™ Making and Interpreting Topographic Maps

Explore topographic maps and how to interpret them.

- Conduct a hands-on investigation using a topographic model
- Construct contour lines and create a topographic map of an area
- Illustrates the relationship between the contour lines on a topographic map and the actual shape of the land



Scientific Concepts:

- Students use appropriate tools to analyze and interpret data
- Topographic maps provide information about landforms
- Topographic maps can be used to help determine an area's past and ongoing geologic processes and its suitability for various uses

EXPAND-A-KIT:

- This EXPAND-A-KIT package when added to the base kit (pictured) provides enough material for one additional group of 4 students.

Cat. No.	Description	Price
S96774	Making and Interpreting Topographic Maps Base Kit	89.00/Ea
S96775	Making and Interpreting Topographic Maps EXPAND-A-KIT	17.75/Ea

Science First Contour Map Making Kit

Learn how to read and make contour maps.



Easy to use—just cover the molded plastic model with water, mark mountain at each elevation, and then trace contour lines from above onto a transparent plastic sheet.

INCLUDES:

- Plastic sheet
- Plastic mountain
- Plastic box, 12L x 6W x 3 in.H

Cat. No.	Description	Price
S53005	One Kit	24.25/Ea
S53005B	15 Kits	209.00/Ea

Meteorology

Weather Center

Create a weather station right in your classroom with these durable meteorological instruments.



- Measure and record barometric pressure, relative humidity and air temperature on a daily or hourly basis
- Record the trends, averages, and highs and lows
- Each instrument measures approximately 3 in. (7.6cm) across

INCLUDES:

Barometer, hygrometer, thermometer, three stands for use of the instruments individually, sturdy carrying case, activity guide

Cat. No.	Description	Price
S90825	Weather Center	48.70/Ea

SP Scienceware™ Wireless Weather Station

Become an amateur meteorologist with these all-in-one wireless stations.

- Perpetual calendar up to year 2050 with date and day of week in seven languages (English, German, French, Italian, Spanish, Dutch, and Danish)
- 12/24-hour selectable time with snooze alarm
- Moon phase
- Dual-scale indoor/outdoor temperature range —
Indoor: 0°/50°C (35°/122°F);
Outdoor: -20°/+60°C (-4°/+140°F)
- Indoor/outdoor temperature trend indicator
- RF 433MHz wireless thermometer links up to three remote sensors with 100 ft. transmission (30m)
- Model 693 adds max./min. temperature memory and outdoor temperature alert



ORDERING INFORMATION:

Individually packaged with multi-language instructions.

INCLUDES:

Batteries and remote sensor

COMPLIANCE:

RoHS compliant

CERTIFICATIONS:

CE marked

Cat. No.	Description	Price
S95625	Wireless Weather Station	45.00/Ea

SP Scienceware™ Weatherball Barometer

Accurately predicts weather conditions.

- Demonstrates impending weather changes to students
- Rising water in the tube means bad weather; falling water in the tube means good weather
- Includes four food-coloring tablets for better viewing of the changing weather conditions



Cat. No.	Description	Price
S95623	Weatherball Barometer	45.00/Ea

Weather Tracker

Chart temperatures using bar and line graphs.

- Introduce a variety of weather phenomena with this write-on/wipe-off weather map of the U.S. and Canada
- Board has grommets for hanging and folds flat for storage in clear plastic hanging case, as pictured
- Dimensions: 44W x 28 in.H (100 x 80cm)



INCLUDES:

Teacher guide with terms, activities, vinyl clings and student recording charts

Cat. No.	Description	Price
S79348	Weather Tracker	36.80/Ea

LAB-AIDS™ Weather Forecasting Kit

Study different aspects of the Earth's weather and atmosphere by interpreting weather maps for eight days.

- Interpret each map for a single day and construct a weather report
- Use the combined information to forecast the weather for day nine



INCLUDES:

Four weather map cards for each of eight days; transparency: "Satellite Image of Clouds over North America"; teacher's guide; and 32 student activity worksheets and guides

Cat. No.	Description	Price
S98817	Weather Forecasting Kit	51.25/Ea

Weather Board

Provides all the tools your class will need to discuss today's date, temperature and weather.

- Students can use the vinyl cling-on pieces to build sentences, and colorful dinosaurs to describe the weather
- Write-on, wipe-off surfaces are provided for writing in numbers, and graphing weather conditions over the course of a month
- Two eyelets for easy hanging.
- Activity guide included provides ideas for Language, Math, and Science activities
- L x W: 26 x 20 in. (66 x 51cm)



Cat. No.	Description	Price
S93832	Weather Board	39.50/Ea

Weather & Climate Bulletin Board Activity Chart Set

Perfect for Classroom Reference or Student Activities



Includes 3 Bulletin Board Activity Charts: Earth's Atmosphere; Understanding Weather; and Weather & Climate. Each Bulletin Board Activity Chart is Laminated and Double-Sided with "Write-On/Wipe-Off" Activities -

- Side 1 features a graphic overview of the topic
- Side 2 provides "Write-On/Wipe-Off" activities
- For grades 6-10

Cat. No.	Description	Price
S13551	Weather & Climate Bulletin Board Activity Chart Set of 3	11.25/Ea

The Young Scientists Club™ Kit 4: Weather Station



Young Scientists become meteorologists by making their own weather station.

- Students learn about the weather
- They make a wind vane to study wind direction, a thermometer to study temperature, a barometer to study change in air pressure and a rain gauge to measure rainfall
- Kit size: 30 students



Winner! Dr. Toy Best 100 products, The National Parenting Center Seal of Approval, Learning Research Institute Outstanding Resource Award, National Parenting Publications Honors Award, Learning Magazine Teacher's Choice Award, Practical Homeschooling Reader Award.

INCLUDES:

30 straws, 10 pieces of modeling clay, 10 balloons, 10 rulers, 20 rubber bands, 10 large index cards, 10 small index cards, 10 pencils, 10 nails, 10 compasses, 10 mercury-free thermometers, 10 student manuals/teacher guides

Cat. No.	Description	Price
S02363	Young Scientists Club™ Kit 4: Weather Station	66.75/Ea

Astronomy

Celestron™ Advanced VX Edge HD Telescope

Advanced VX mount specifically designed to provide optimum imaging performance for smaller telescopes.

- 8 in. (203mm) f/10 Edge HD includes StarBright XLT coatings for better light transmission
- Edge HD optical design fully corrects for coma and field curvature, delivering a truly flat field
- Built-in tube vents with integrated 60 micron mesh filters allow hot air to be released behind the primary mirror
- Fastar compatible tube comes with removable secondary mirror for fast f/2.8 imaging
- 9x50 optical finderscope for locating alignment stars
- Permanently programmable gear ratios
- Periodic Error Correction eliminates recurring track errors from the worm gear
- Autoguider port for long exposure imaging
- New motors offer improved tracking performance & provide more power to overcome load imbalances
- Updated industrial design offers more rigidity, less flexure and improved aesthetics
- New design allows viewing or imaging across the meridian without interference from the motors housings
- Improved latitude range
- Can be used between 7 – 77 degrees latitude
- NexStar+ hand control offers multiple language programming (English, French, Italian, German, Spanish)



Cat. No.	Description	Price
S14078	Celestron Advanced VX Edge HD Telescope	2884.00/Ea

Celestron™ NexStar™ Computerized Telescopes

Ideal for observing and photographing the wonders of space.

StarBright XLT high-transmission coatings come standard on each model along with the StarPointer finderscope to help with alignment and accurately locating objects.

- Internal flip mirror for convenient viewing straight through (with optional diagonal) or at 90° (4 in. model only)
- Quick-release fork arm mount, optical tube and accessory tray for no-tool setup
- Sturdy computerized altazimuth mount
- Internal battery compartment to prevent cord wrap during use
- Ultra-sturdy steel tripod features built-in wedge allowing 4 in. model to be used for astrophotography

- Nearly 40,000-object database with 200 user-definable objects and expanded information on over 200 objects
- SkyAlign allows you to align on any three bright celestial objects, making for a fast and easy alignment process

4SE:

- Aperture 102mm (4 in.)

8SE:

- 20.32cm (8 in.) aperture

INCLUDES:

CD-ROM "The Sky" Astronomy Software, which provides education about the sky and printable sky maps



Cat. No.	Description	Price
S93982	4SE Computerized Telescope	489.00/Ea
S93983A	8SE Computerized Telescope	1202.00/Ea

Celestron™ Cometron FirstScope Telescope

Cometron FirstScope is a compact, lightweight telescope ideal for beginner astronomers looking to experience a comet, planet, or nebula. This tabletop, Dobsonian-style telescope includes a spherical mirror with 76mm of aperture.

- Fast focal ratio offers a wide field of view, perfect for observing comets, star clusters, galaxies and more
- Lightweight and portable, a great grab-and-go telescope
- Simple design makes it easy for beginners to use
- No-tool setup means you are up and observing in no time

INCLUDES:

5x24 finderscope and 2 Kellner eyepieces



Cat. No.	Description	Price
S72019	Celestron Cometron FirstScope Telescope	58.75/Ea

Celestron™ FirstScope Signature Series Moon by Robert Reeves



Celestron's beloved entry-level telescope gets a stunning new look! The Signature Series FirstScope features a superb Moon image by astroimager and Team Celestron member Robert Reeves.

- High-quality tabletop Dobsonian with a 76mm reflector optical tube
- FirstScope artwork highlights key features on the lunar surface like craters and maria that you can explore for yourself with the telescope
- Simple, portable design that's easy to use for astronomers of all levels—a great choice for kids and families
- Also includes a free PDF download of the Lunar Landscapes ebook by Robert Reeves



WARRANTY:

2 Years limited warranty

Cat. No.	Description	Price
S72525	FirstScope Moon Telescope	50.75/Ea

Celestron™ Cometron 114AZ Telescope

Celestron's Cometron 114AZ is designed for viewing all types of celestial objects. Features a parabolic mirror to capture the sharpest views of even dim comets. Ideal for even beginner stargazers.

- Quality optical design--parabolic mirror provides sharp image and eliminates spherical aberration
- Fast focal ratio offers a wide field of view, perfect for observing comets, star clusters, galaxies and more
- No-tool setup means you are up and observing in no time
- Lightweight and portable, a great grab-and-go telescope
- Large aperture collects more light and provides more detail



INCLUDES:

optical tube, tripod with altazimuth mount, accessory tray, red-dot finderscope, and TheSkyX DVD-ROM astronomy software.

WARRANTY:

2 Year Limited warranty

Cat. No.	Description	Price
S72020	Celestron Cometron 114AZ Telescope	190.00/Ea

Celestron™ Travel Scope Portable Telescope

Telescopes and tripods that fit inside a custom backpack for easy traveling and storage.

- All coated-glass optical elements for clear, crisp images
- Erect image diagonal so that your views are correctly oriented
- Smooth functioning altazimuth mount with easy pointing to located objects
- Preamsembled aluminum full-size photographic tripod ensures a stable platform
- Quick and easy no-tool setup
- Magnification 1: 20x, Magnification 2: 40x
- Length: 15.74 in.
- Resolution: 1.99 Arc sec. (Rayleigh), 1.66 arc sec. (Dawes)



INCLUDES:

Both models include backpack and *The Sky X: First Light* edition CD-ROM

Cat. No.	Description	Price
S01919	Travel Scope Portable Telescope	80.00/Ea

Celestron™ SkyMaster 12x60mm Binocular

Features multi-coated optics and high index BaK-4 prisms for adequate light transmission, increased contrast and resolution.

- 12X magnification porro prism binocular
- Large 60mm objective lens offers maximum image brightness in low-light conditions
- Multi-Coated optics for sharp, clear views
- Suitable for terrestrial or astronomical viewing
- Protective rubber covering for ultra-firm grip
- Large center focus knob for easy focusing
- Tripod adaptable
- Long eye relief ideal for eyeglass wearers



Specifications:

- Exit Pupil: 5mm
- Eye Relief: 17mm
- Close Focus: 18m (59 ft.)
- IPD Max: 56mm
- IPD Min: 72mm
- Twilight Factor: 27
- Relative Brightness: 25
- Prisms: BaK-4

INCLUDES:

Objective lens cap, rain guard, carrying case, neck strap, lens cloth, instruction manual

WARRANTY:

Limited Lifetime Warranty

Cat. No.	Description	Price
S14066	SkyMaster 12X 60mm Binocular	73.50/Ea

Celestron™ UpClose G2 Binoculars

High quality binoculars at an affordable price

FEATURES:

- Multi-coated optics increase light transmission resulting in brighter and sharper images with high contrast levels
- Stylish rubber covered aluminum body protects from rough handling
- Ergonomic thumb indents and finger ridges for extra non-slip comfort and ease of use
- Water resistant
- Soft carrying case
- Binocular straps



Ideal For:

- Bird Watching
- Sporting Events
- Nature & Wildlife
- Hunting
- Travel & ventures
- Concerts & live events
- Boating

INCLUDES:

Soft Carrying Case, Binocular Straps

WARRANTY:

Limited Lifetime

Cat. No.	Optical Design	Magnification	Price
S28088	Porro Prism	7x	28.00/Ea
S28084	Porro Prism	10x	38.00/Ea
S28083	Roof Prism	10x	16.00/Ea

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Celestron™ Cometron 7x50 Binoculars

Celestron Cometron sleek, portable binoculars feature large objective lenses and multi-coated optics for optimal light-gathering capabilities to bring celestial objects into bright, sharp focus. Ideal for comet watching, stargazing, and viewing craters on the moon.

- Wide field of view reveals a larger portion of the night sky, allowing you to view more of the comet's tail
- Large 50mm objective lenses have tremendous light-gathering ability, ideal for astronomical use
- Multi-coated optics dramatically increase light transmission for brighter images with increased contrast and resolution
- Large exit pupil provides maximum light during nighttime and low-light viewing sessions
- Strong and durable aluminum housing



INCLUDES:

Neck strap, carrying case, objective lens caps, eyepiece caps, lens cloth, instruction manual

WARRANTY:

Limited Lifetime

Cat. No.	Description	Price
S72021	Celestron Cometron 7x50	35.00/Ea

Celestron™ Eclipsmart™ Solar Binoculars

Provides generous field of view for users to easily locate and view the entire solar disk while observing.

- With its multi-coated optics offers high contrast images to clearly show the details of the Sun
- Compact in size making a good outdoor companion
- Features Solar Safe™ filter technology for safe observation of the sun
- Dual lens non-removable glass solar filters fully meet ISO12312-2
- Durable and rugged for protection during use and storage provided by the rubber armored aluminum body
- Economical and easy to use
- Protection from harmful solar radiation, including both IR and UV light, and filters 99.99% of intense visible light



Cat. No.	Description	Optical Design	Field of View	Price
S24543	10 × 25mm	Roof Prism	5.7° (288 ft. at 96 m)	29.50/Ea
S24544	10 × 42mm	Porro Prism	7° (122 m at 1000 m)	60.00/Ea

Celestron™ Eclipsmart™ Solar Shades

Protects eyes when viewing the sun.

- Designed to fold in two different folding points to accommodate small and large inter-pupillary distances
- Folds up and fits in pocket for easy storage
- Economical, easy to use and solar safe
- ISO certified safe film



WARRANTY:

Two year warranty

Cat. No.	Description	Price
S24538	Eclipsmart Solar Shades	2.00/Ea

Celestron™ Eclipsmart™ Travel Scope 50

Fully coated glass optics gives nice crisp focus to see sunspot groups.

- Full aperture ISO certified glass solar filters for safe direct viewing of the sun
- Solar Safe™ finderscope allows to easily align the telescope to the sun without directly viewing the sun
- Sun appears in eyepiece when shadow of the pointer lines up with the center of the target reticle
- Photo-style alt-azimuth mount and tripod allows easy adjust and aiming of the telescope while offering great stability
- Can point straight overhead without interference
- 20mm Kellner eyepiece offers 18X magnification for good image scale while offering wide field to make it easier to track the sun's apparent motion
- Includes lightweight and convenient backpack holds and protects solar scope, tripod and all of the accessories, making it easy to carry to remote observing sites
- Objective lens type: Achromatic doublet, air-spaced



WARRANTY:

Two year warranty

Cat. No.	Description	Price
S24545	Eclipsmart™ Travel Scope 50	98.00/Ea

Ohaus™ Starter Pen Meters

Convenient, accurate results in seconds.

- Portable and compact
- Single-hand operation
- Durable IP67 waterproof design
- Includes wrist strap for security
- Auto shutdown after four minutes of non-use
- Require four AG13 1.5V microalkaline batteries
- Size/weight: 185 × 45 × 38mm; 110g



ST20

Model	Range	Resolution	Temp. Display	Cat. No.	Price
pH Pen Meters					
ST10	0.0 to 14.0pH	0.1 pH	Yes	S05084	\$61.00/Ea
ST20	0.00 to 14.00pH	0.01 pH	No	S05085	\$104.00/Ea
ORP Pen Meters					
ST10R	-1000 to 1000mV	1mV	No	S05086	\$133.00/Ea
ST20R	-1000 to 1000mV	1mV	Yes	S05087	\$179.00/Ea
Conductivity Pen Meters					
ST10C-A	0.0 to 199.9µS/cm	0.1µS/cm	No	S05088	\$81.00/Ea
ST10C-B	0 to 1999µS/cm	1µS/cm	No	S05089	\$81.00/Ea
ST10C-C	0.00 to 19.99mS/cm	10µS/cm	No	S05090	\$81.00/Ea
ST20C-A	0.0 to 199.9µS/cm	0.1µS/cm	Yes	S05091	\$119.00/Ea
ST20C-B	0 to 1999µS/cm	1µS/cm	Yes	S05092	\$119.00/Ea
ST20C-C	0.00 to 19.99mS/cm	10µS/cm	Yes	S05093	\$119.00/Ea
Salinity Pen Meters					
ST10S	0.0 to 10ppt	+/- 2.5% FS	Yes	S05094	\$81.00/Ea
ST20S	0.0 to 80.0ppt	+/- 1.5% FS	No	S05095	\$119.00/Ea
TDS Pen Meters					
ST10T-A	0.0 to 100.0mg/L	0.1mg/L	No	S05096	\$92.00/Ea
ST10T-B	0 to 1000mg/L	1mg/L	No	S05097	\$92.00/Ea
ST20T-A	0.0 to 100.0mg/L	0.1mg/L	Yes	S05098	\$119.00/Ea
ST20T-B	0 to 1000mg/L	1mg/L	Yes	S05099	\$119.00/Ea

Choose from five models in a variety of calibrations.



S05084

S05087

S05088

S05091

S05096

S05095

S05098

Environmental Science

Agricultural Science

Diversified Woodcrafts™ Hydroponics Growing System

Self-contained ebb and flow hydroponics center with grow lights and water pump.

The perfect way to learn how plants can grow without soil. Helps teach the basic concepts for the plants needs, nutrition, food production, recycling, agricultural technology and soil-less growing environments.



- Mobile hydroponics center includes grow lights and water pump
- Adjustable timers enable plant growth with the perfect amount of water and sunlight
- Construction allows easy access for students and teachers alike
- Made of solid maple and maple veneers
- 25 gallon nutrient reservoir with lid, a locked cabinet for timers and air pump, and a 150 watt grow light
- Growing system is completed with a submersible pump, an air pump, an air stone, timers (2), hoses and ten 6 inch net pots
- Unit moves easily on 4 inch locking, leveling casters
- Overall dimensions is 52 x 28 x 78 in. (W x D x H)
- Containment plant tray is 8 x 27.5 x 42 in. (H x D x W)

Cat. No.	Description	Price
S14215	Hydroponics Growing System	1637.00/Ea

LAB-AIDS™ Investigating Plant Macronutrients Using Hydroponics

Students learn that plants do not grow only in soil, but also in water. LAB-AIDS™ Investigating Plant Macronutrients Using Hydroponics is an investigation of water-based plants.

Do plants only grow in soil? Not always. Sometimes they grow in water. This kit incorporates a uniquely designed LAB-AIDS™ transparent plastic culture chamber making the study of hydroponics stimulating and fun. Students clearly view plant growth in a nutrient solution. The following experiments are included:



- Seed germination time comparisons
- Plant growth time comparisons
- Effects of nutrient deficiency

This graphic and unique activity can be used individually or in groups at many grade levels. It is an excellent activity for science fairs or projects.

- Maximum 24 students
- Once class to set up and several weeks of follow-up observation
- Student sheets incorporate literacy skills

Concepts Illustrated:

- An understanding of hydroponics
- Observe plants growing in a nutrient solution
- Study and compare seed germination time and plant growth time
- Observe development of roots, stems, and leaves
- Study effects of nutrient deficiency
- Use controls in experiments

INCLUDES:

Teacher's guide; SDS packet; 28 student worksheets and guides; 36 germinating plugs; 6 greenhouses with detachable vented roofs; 6 germinating floats; 6 light shields for greenhouses; 5 seed packets; 1 bottle of each solution: Iron Chelate, Trace Element, $\text{Ca}(\text{NO}_3)_2$, CaCl_2 , KCl , KNO_3 , MgSO_4 and KH_2PO_4

REQUIRES:

This lesson requires several weeks of observation following the initial setup lesson

Cat. No.	Description	Price
S20961	Investigating Plant Macronutrients Using Hydroponics Kit	122.00/Ea

LaMotte™ Garden Guide Kit

Convenient kit for classroom soil testing and garden analysis.

Measures nitrogen, phosphorus, potassium and soil pH.

- Blue zippered case holds all components, including instruction manuals and accompanying handbooks
- Mesh pouch in the case lid holds color charts, etc.
- Grades 5+



INCLUDES:

- 15 tests each for nitrogen, phosphorus and potassium; 30 tests for soil pH (range 4.0 to 9.0)
- Diagrammed instructions
- Laminated color charts
- *Garden Guide* manual
- *Soil Handbook*
- *A Study Of Soil Science*

Cat. No.	Description	Price
S85039	Garden Guide Kit	61.50/Ea
S85039R	Reagent Refill	43.75/Ea

Healthy Plants

Designed for older elementary students to help them examine and understand the needs of plants for growth and survival.



- For the sake of time, the class can be split in thirds, with some students conducting a light/dark experiment, some studying plant nutritional needs, and some studying effects of acid rain
- Results will be shared at the end
- This kit contains materials for 15 groups of two
- Developed for grades 3 - 5

Kit Includes:

- 30 Plastic cups
- 5 oz. 30 Plastic cups
- 7 oz. 60 Bean seeds
- 30 Wicks
- 1 bag Soil
- 1 bag Vermiculite
- Nutrient Powder
- Acid Rain Solution

Cat. No.	Description	Price
S42855*	Healthy Plants Study Kit	33.00/Ea

Soil Test Kit

Accurate test results within the hour.

- Measure soil's pH, nitrogen, phosphorus and potassium — up to 10 times each
- Color comparator system
- Color-coded reagent capsules perform 40 total tests



Cat. No.	Description	Price
S17702	Soil Test Kit	22.25/Ea

LaMotte™ Topsoil Tour Kit

Compare different soil textures.

- Seven units examine and compare the physical and chemical properties of soil
- Tests soil texture, pH, nitrogen, phosphorus and potassium



ORDERING INFORMATION:

Grades 4 to 8. Class size: 50 students.

INCLUDES:

Complete lecture materials, illustrated handouts, teacher tips, test procedures, data sheets and games

Cat. No.	Description	Price
S19117	Topsoil Tour Kit	90.00/Ea
S19117R	Topsoil Tour Reagent Refill	64.50/Ea

LaMotte™ pH Soil Test Kit

pH affects all mineral elements and the biological processes made available to plants from the soil.

- Accurately test pH to determine lime requirements and ensure that mineral-rich soil is also fertile
- pH range: 4.0 to 8.0
- pH accuracy: ± 0.5
- pH resolution: 1



INCLUDES:

- Reagents for 100 tests
- Color chart
- Plastic spot plate
- Instructions

Cat. No.	Description	Price
S95000	Soil pH Testing Kit,	19.75/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

LaMotte™ Soil pH TesTabs Kit

Kit for measuring pH.



- Ideal for younger students and teachers who would like an alternative to liquid pH indicators
- Simple diagrammed instructions
- Laminated color chart
- 50 tests for pH
- Wide Range: 4 to 11 in 1.0 pH units
- Distilled or deionized water recommended

Cat. No.	Description	Price
S98237	oil pH Test Tablets Kit	17.00/Ea

LaMotte™ Soil Macronutrients Test Kit

Make detailed evaluations of soil composition.

- Soil analysis outfit includes all of the materials needed for accurate and detailed soil evaluation
- Determines soil pH, nitrogen, phosphorus, potassium content and soil texture
- Each self-contained, individual module contains the necessary materials and equipment to conduct 50 tests
- All components are contained in a specially designed, rugged carrying case



ORDERING INFORMATION:
Grades 6+.

INCLUDES:

- Soil sampling tube
- 50 soil sample bags
- *A Study of Soil Science*
- Soil analysis report forms

Cat. No.	Description	Price
S17704	Soil Testing Station	480.00/Ea
S17704A	Soil Testing Station Refill Kit	269.00/Ea

LaMotte™ Nitty-Gritty Soil Test Kit

Investigate the basics of soil science and healthy plant requirements for proper soil texture, ideal levels of soil pH and nutrients.

- Learn to properly care for plants and perform pH, nitrate, phosphate and potassium soil tests using nonhazardous TesTabs™ methods
- Ideal demos for elementary students



ORDERING INFORMATION:
Grades 3+.

INCLUDES:

Reagents for 10 tests for each test factor, games and activities and instruction manual

Cat. No.	Description	Price
S65404	Nitty Gritty Soil Science Kit	34.75/Ea

LaMotte™ Soil NPK Test Kit

Unit dose tablet test for soil macronutrients



- Simple diagrammed instructions and laminated color chart
- 50 tests each for nitrogen, phosphorus and potassium in soil
- Originally developed for the GLOBE[†] program

Cat. No.	Description	Price
S65951	NPK Soil Test Kit	31.75/Ea

[†] "GLOBE", "The GLOBE Program", and the GLOBE logo are the trademarks of the U.S. Government. Use of these trademarks and certification by this company that its products conform to the specification of The GLOBE Program does not imply endorsement of this company or its products by the U.S. Government.

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Small Group Learning: Soil Analysis

Soil analysis kit will teach students the skills needed to properly conduct soil composition tests as well as allow them to collect and evaluate local soil samples.



- By bringing in local soil samples the students can build a stronger connection to their own local environment while still building on a knowledge base that can be applied to any other environment.
- Kit contains enough material for 5 groups
- Teacher's Manual and Student Study Guide copymasters are included
- Aligned to the Next Generation Science Standards (NGSS)
- Disciplinary Core Ideas: ESS2.A
- Performance Expectations: MS-ESS2-1
- Cross Cutting Concepts: Stability and Change
- Engineering Practices: Developing and Using Models
- Size: 12 × 12 × 12 in. (L × W × H)

DISCLAIMERS:

Next Generation Science Standards is a registered trademark of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards were involved in the production of, and do not endorse, this product.

Cat. No.	Description	Price
S40743***	Soil Analysis Kit	124.00/Ea

LaMotte™ Soil Texture Unit

For testing and demonstrating different soil textures and properties.

Test soil from schoolyard or samples brought from home and determine the percentage of sand, silt and clay.



Cat. No.	Description	Price
S85030	Soil Texture Unit	81.00/Ea
S85030R	Reagent Refill	20.75/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

LAB-AIDS™ Soil Nutrients and Fertilizers

Students find Nitrogen in soils and plant growth. LAB-AIDS™ Soil Nutrients and Fertilizers has students engage in finding Nitrogen in various soils and in plant growth, as well as learning about the effects of excess nutrients in an ecosystem.



Nitrogen is one of the essential plant nutrients found in soil. Students measure the amount of nitrogen in several different soils. They then examine the role of nitrogen in plant growth and consider the effect of excess nutrients in an ecosystem.

- Maximum 32 students/8 groups
- Student worksheets incorporate literacy skills

Concepts Illustrated:

- Soil consists of weathered rocks and decomposed organic materials and often has layers with different physical and chemical characteristics
- Water is a solvent that carries dissolved material through soil to rivers and oceans
- Technological solutions have intended benefits and unintended consequences
- Maintaining environmental health involves monitoring soil and water quality

INCLUDES:

1 teacher's guide with SDS; 32 student worksheets and guides; 1 vial potting soil; 2 bottles fertilizer solution, 3 bottles nitrate extraction solution; 8 vials labeled "N"; 8 vials labeled "B"; 16 AB trays; 8 stir sticks; 8 white scoops; 8 SEPUP filter funnels; 8 fine filter paper circles; 8 3mL pipets; 8 nitrogen color charts; 8 graduated 30mL cups

Cat. No.	Description	Price
S20953	Soil Nutrients and Fertilizers Kit	164.00/Ea

LaMotte™ Soil Sampling Tube

Easy-to-use, easy-to-clean, galvanized-steel sampling tube.

- Collects soil samples from a depth of up to 12 in. (30.5cm)
- Cutaway viewing window for inspection of soil stratification 9.75 in. (25cm)
- Soil core: 1D × 11.75 in.L (2.5 × 30cm)



INCLUDES: 20 sample bags and instructions

Cat. No.	Description	Price
S45110	Soil Sampling Tube	35.50/Ea

Light and Moisture Meter

Instantly measures soil moisture and light conditions — no batteries required.

- Built-in light meter features a chromatic filter to determine that plants receive the correct quality and intensity of light
- Packaging includes a guide to the light and water needs of hundreds of plants and vegetables



Cat. No.	Description	Price
S45149	Light and Moisture Meter	26.25/Ea

Digital Meters

Designed for simple, accurate test readings.

Digital Moisture Meter

- New digital results from 0 to 9.9
- Printed instructions and extensive plant list packed with the meter

Digital pH Meter

- New digital results from 3.5 to 9.0
- Printed instructions and plant pH preference list packed with the meter

Digital PLUS Soil pH Meter

- New digital results from 3.5 to 9.0
- Plant pH preference list is built in to the meter database



Note: Probe should not be left in contact with moisture for extended periods of time.

Cat. No.	Description	Price
S02336	Digital Moisture Meter	14.75/Ea
S02337	Digital pH Meter	194.00/Cs
S02339	Digital PLUS Soil pH Meter	32.75/Ea

Soil and Composting Thermometer

Soil and Composting Thermometer is easily readable thermometer when measuring soil temperature



- Body has a ball at one end to make it easier to stick the thermometer into the soil
- Sturdy metal construction will stand up to rugged use

Cat. No.	Description	Price
S38987	Soil and Composting Thermometer	9.85/Ea

LaMotte™ Soil Microbe Hunter™ Activities

Students apply science, technology, engineering, and math concepts to the exploration of microbes that they encounter every day.



Students research the process of soil formation, soil characteristics, and the influence of environmental conditions on soil microbe populations. Students assess and sample various soil ecosystems using the surface contact impression technique, dilution technique, root wash technique, and the Rossi-Cholodny buried slide contact transfer technique. Microbes are identified and enumerated to calculate microbial diversity.

Activities and topics:

- Culture grocery store products and school surroundings
- Effect of fertilizer on lawn microbe populations
- Rhizosphere ecosystems
- Biological soil crusts
- Biopesticides

Features:

- Organized for classroom use
- Culture bacteria without Petri dishes - no prep time
- Student teams design experiments
- Step-by-step introductory to advanced activities
- PowerPoint presentations for iPad, ID guides, resources, links, etc.

Includes:

- Five expandable and adaptable activities
- Digital Student Guide and Teacher Guide on CD
- Free microbe identification app from iTunes store
- STEM extension activities:
 - Is There Such a Thing as Sterile Soil?
 - Investigating Soil Inoculants
 - Soil Crust Hunt

Cat. No.	Description	Price
S43420	Soil Microbe Hunter™ Activities	77.00/Ea

LaMotte™ Food Microbe Hunter™ Activities

Students apply science, technology, engineering, and math concepts to the exploration of microbes that they encounter every day.



STEM-based activities guide students through the culturing and presumptive identification of common microbes on innovative BioPaddles™ - each containing microbe-specific media enclosed in a sterile vile. Activities develop critical thinking skills and emphasize engineering as a key component.

Students determine what factors affect microbe growth in food by designing experiments to control intrinsic and extrinsic factors, predict the probability of microbe growth on foods, and design an experiment to prove their hypothesis about the preservative effects of pickling.

Activities and topics:

- Culture grocery store products and school surroundings
- Identification of microbes in and on food
- Food spoilage
- Moisture equilibrium
- Water activity
- Nutrients
- Food as an ecosystem

FEATURES:

- Organized for classroom use
- Culture bacteria without Petri dishes - no prep time
- Student teams design experiments
- Step-by-step introductory to advanced activities
- PowerPoint presentations for iPad, ID guides, resources, links, etc.

Includes:

- Five expandable and adaptable activities
- Digital Student Guide and Teacher Guide on CD
- Free microbe identification app from iTunes store
- STEM extension activities
 - Evaluating the effectiveness of garlic as an antimicrobial agent
 - Demonstration of Koch's Postulate

Cat. No.	Description	Price
S43413	Food Microbe Hunter™ Activities	77.00/Ea

Water Testing

LaMotte™ SMART 3™ Colorimeter Water Quality Analyzer

Multitest colorimeter measures numerous water quality parameters with laboratory accuracy and convenience of a portable, hand-held system.

Captures up to 500 date- and time-stamped data points with the datalogger, then download via USB connection.



- Compact unit with large, backlit display
- More than 80 pre-programmed tests
- Automatic wavelength selection
- Menu-driven operation
- Accepts COD vials and cuvetts
- Waterproof to IP67
- Seven languages — user selectable
- USB port and cable for downloading results and charging
- Multiple LED optical system
- Option of entering up to 25 additional calibrations for analysis with custom reagent systems
- 7.5 × 3.5 × 2.5 in. (19 × 8.9 × 6.3cm)

ORDERING INFORMATION:

Accessories, such as replacement USB cable (S66155C) are available separately.

INCLUDES:

Six sample tubes, USB cable, USB wall plug, instruction manual and a lithium rechargeable battery

CERTIFICATIONS:

CE marked

Cat. No.	Description	Price
S66155A	SMART 3™ Colorimeter	1172.00/Ea
S66155C	USB Cable	6.80/Ea

LaMotte™ COD Multi-Range Reagent Systems with Vials

Chemical oxygen demand reagent systems are an easy and precise way to measure critical COD levels.

- Range: 0 to 15,000ppm (High)
- Mercury-free



Cat. No.	Description	Price
S43593	COD Multi-Range Reagent Systems with Vials	54.25/Ea

LaMotte™ SMART 3™ Colorimeter Reagent Systems

Reagents for use in water testing and environmental studies.

Cat. No.	Description	Range	No. of Tests	Test Method	Price
S19545A	Ammonia Nitrogen Test Kit	0.05 to 1ppm	25	Salicylate	58.00/Ea
S19545C	Copper Test Kit	0 to 6ppm	100	Diethyldithio-carbmate	21.75/Ea
S19545D	Iron Reagent system	0 to 6ppm	50	Bipyridyl	51.25/Ea
S19545G	Nitrite Reagent System	0 to 0.8ppm	20	Diazotization or coupling	57.30/Ea
S19545H	Phosphate Test Kit	0 to 3ppm	50	Ascorbic acid reduction	46.00/Ea
S19545J	Sulfate Test Kit	0 to 100ppm	50	Barium chloride	37.00/Ea
S19545N	Nitrate Reagent System	0 to 3ppm	20	Cadmium reduction	57.30/Ea
S19545P	pH Test Kit	5 to 9.5ppm	100	Colorimetric	64.50/Ea
S19545T	Tannin Test Kit	0 to 10ppm	50	Tungsto-Molybdophosphoric acid	53.00/Ea

Fiberglass Tape

Will not break or tear.

- One side calibrated in centimeters and half-centimeters
- The other side is calibrated horizontally in millimeters
- 150cm length



Cat. No.	Description	Price
S94312	Fiberglass Tape	20.00/Pk

Trundle Wheel

Measures long distances in the classroom or outdoors.

- Weather-resistant, all-plastic construction
- Loud, non-wearing clicking device is activated in either direction with each full meter revolution
- Comes apart in two pieces for storage and is easily reassembled
- Counter measures up to 99,999m with adjustable handle
- Tire is equipped with a rubber tread to provide accurate readings



Cat. No.	Description	Price
S94313	Trundle Wheel	23.25/Ea

Windup Meter Tapes

Durable tapes won't tear, break, rust or stretch.

- High-quality fiberglass in ABS plastic windup case
- Calibrated on one side in centimeters and on the other in inches
- Great for outdoor activities, track and field, rough terrain, mud and water



Cat. No.	Length (English)	Length (Metric)	Price
S94309	32.8 ft.	100cm	12.75/Ea
S94310	98.4 ft.	300cm	18.50/Ea
S94311	164 ft.	50m	28.25/Ea

Eisco 8 Piece Plastic Sieve/Strainer

Six plastic sieves with stainless steel mesh, cover and bottom collector.

- Each Sieve has a plastic frame having an individual size one each (Mesh no. 5, 10, 35, 60, 120, 230)
- Complete with plastic lid and bottom collector
- Stackable - Diameter of Sieves are 6.75 in.
- Total height of stacked sieves approx. 15 in.



Cat. No.	Description	Price
S12897	8 piece	135.00/Ea

SP Scienceware™ Economy Dippers with Extended Handles

For convenient sampling from tanks, vats, streams, ponds, lakes.

- Lightweight and portable
- Thread on 500mL (16 oz.) polypropylene cup can be exchanged to reduce cross contamination
- Two pouring spouts on cup allow left or right pouring
- High-density polyethylene plastic handles are strong honeycomb tubes without inserts and are ribbed for sure grip
- Handle end has a hook for hanging storage
- Available in two handle sizes: 91cm (3 ft.) and 183cm (6 ft.)



Cat. No.	Length (Metric) Handle	Length (English) Handle	Price
S14333	91cm	3 ft.	59.25/Ea
S14334	182cm	6 ft.	78.00/Ea

LaMotte™ Horizontal Water Sampler

Collect water samples quickly and easily!

- Rugged stainless steel components
- Suitable for sampling fresh, brackish or salt water
- For educational use
- High impact grad plastic tube holds approximately 1200mL of sample and allows for visual inspection of sample prior to dispensing



Cat. No.	Description	Price
S37728	Horizontal Water Sampler	289.00/Ea

LaMotte™ D-Net with Expandable Pole

Bag attached to metal frame with clamp rings.

- 12 in. (30.5cm) rim dip net
- Rim fitted with heavy canvas bag, approximately 6.5 in. deep (16.5cm)
- Bag bottom made of approximately 500µm nylon mesh
- Canvas skirt extends 3 in. (7.6cm) below bag bottom to protect mesh
- Aluminum pole extends from 52 to 84 in. (137.2 to 213.3cm)



Cat. No.	Description	Price
S85027	D-net with Expandable Pole	84.00/Ea
S85027B	Replacement Bag	20.25/Ea

LaMotte™ Kick-Net

Strong net designed for rapid bioassessments.



- Use this net for performing USEPA Rapid Bioassessment Protocols for benthic macroinvertebrates
- 1 × 1m², 500µm, tan net
- Hemmed sides hold poles
- Reinforced bottom seam helps anchoring

Cat. No.	Description	Price
S85005	Kick Net	86.00/Ea
S85005P	Professional Kick Net with Poles	107.00/Ea

Eisco Transparent Turbidity Tube

Determines transparency of water in lakes, streams, oceans.

- Contains clear tube with small Secchi Disc of alternating black and white quadrant
- Provides quick and easy way to probe turbidity, which is measure of clarity of water, which in turn is related to amount of sediments or pollutants in water

INCLUDES:

1m transparent turbidity tube, rubber stopper with drainage mechanism



Cat. No.	Description	Price
S12998	Turbidity Tube	59.75/Ea

Eisco Secchi Disk Including Rope

Used to determine transparency of water in lakes, streams, oceans.

- Has 9 in. disc of alternating black and white quadrants
- Provides quick and easy way to probe turbidity, which is a measure of clarity of water
- Turbidity is in turn related to amount of sediments or pollutants in water



INCLUDES:

Instruction manual

Cat. No.	Description	Price
S13019	Secchi Disk Including Rope	32.50/Ea

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LaMotte™ AP™ Environmental Science Water Quality Assessment Curriculum Module

Extensive curriculum uses exploration of the Water Quality Index to teach students STEM-based skills.

- Students apply STEM-based skills through classroom and field activities to satisfy Section VI (Water Pollution) of the AP Environmental Topics Outline
- In four classroom activities, students use actual data from the Kansas River watershed to perform independent research, collect and analyze data, access real-time hydrological data, locate local watersheds and more
- Students use appropriate techniques and instrumentation to identify their watershed and perform chemical and biological analyses to determine the water quality index of a local waterway



ORDERING INFORMATION:

Ships on Mondays and Tuesdays only.

INCLUDES:

- Ten Nutrient TTC/ MacConkey BioPaddles for coliform testing
- Salt/TDS/Temp Tracer for temperature and TDS determination
- BioPaddle Colony Identification App to compare the “unknown” microbe growth on a BioPaddle to a library of photos of “known” microbe colonies from six microhabitats
- Teacher Resource CD-ROM with teacher/student guides, water quality test procedures, PowerPoint™ presentations and QuickTime™ iPad™/ iPod™ videos for STEM Design Activities and STEM Skills, Watershed Ecology, WQI, Point/Non-Point Pollution, Glossary and BioPaddle colony identification application

Cat. No.	Description	Price
S04349	Water Quality Assessment Curriculum Module	195.00/Ea

LaMotte™ AP™ Water Quality Assessment Package

Explores the Water Quality Index.



Combine with the Water Quality Educator (S66223) and AP Environmental Science Water Quality Assessment Curriculum Module (S04349) to teach STEM-based skills that will satisfy Section VI (water pollution) of the AP Environment Topics Outline.

Cat. No.	Description	Price
S04350	AP The Water Quality Assessment Package	533.00/Ea

LaMotte™ Pondwater Tour Kit

Study and measure changes in lake, stream, pond or aquarium water.

- Helps teachers guide students through the study and measurement of changes in lake, stream, pond or aquarium water
- Measures dissolved oxygen, pH, nitrate and ammonia



ORDERING INFORMATION:

Grades 4 to 8. Class size: 50 students.

INCLUDES:

- Complete lecture materials
- Illustrated handouts
- Teacher tips
- Test procedures
- TesTabs™ reagents
- Data sheets
- Wrap-up games

Cat. No.	Description	Price
S19118	Pond Water Tour Kit	96.00/Ea
S19118R	Reagent Refill	75.00/Ea

LaMotte™ Tapwater Tour

Analyze the quality of tap water at home or in the classroom.

- Uses simple and safe reagent tablets in unit-dose form
- Includes five units: pH, chlorine, hardness, iron and copper



ORDERING INFORMATION:

Grades 4 to 6. Class size: 50 students.

INCLUDES:

Lecture materials, illustrated handouts, teacher tips, test procedures and wrap-up games

Cat. No.	Description	Price
S25705	Tap Water Tour Kit	84.00/Ea
S19118R	Refill Kit	69.25/Ea

LaMotte™ Digital Tapwater Tour Kit



A classroom investigation of how and why the characteristics of tap water can vary and affect every day activities

- For 50 students
- Instructor manual including background information, set up and shopping list
- Student Manual including test procedures, data sheets and puzzles
- Students work in groups and individually
- Works on computers or tablets
- Great for inclusion classrooms
- Refill includes reagents and sample bags for 50 students



Cat. No.	Description	Price
S72761	Digital Tapwater Tour Kit	81.00/Ea
S72762	Refill for Digital Tapwater Tour Kit	53.25/Ea

LaMotte™ Water Testing Kits

For testing various parameters of water samples in lab setting or in field.



Parameters tested:

- Dissolved Oxygen
- Water Hardness
- Water's Alkalinity
- Nitrate and Nitrite
- Ammonia

INCLUDES:

- Complete with instructions
- For 40 tests

Cat. No.	Description	Price
S12834*	Dissolved Oxygen	28.50/Ea
S12835	Water Hardness	36.50/Ea
S12836***	Water's Alkalinity	36.50/Ea
S12837***	Nitrate and Nitrite	36.50/Ea
S12838	Ammonia	36.50/Ea

Water Treatment and Filtration

Develop a knowledge of the processes performed at a water treatment plant and understand the reasons for each.



- Use "polluted" water to perform on a small-scale several procedures that occur in a water treatment plant Examine the changes in the water after each treatment step is performed
- Observe physical characteristics of water, such as clarity, color, odor and how each is affected from the beginning of the treatment process until the end

INCLUDES:

1500g fine sand, 1500g coarse sand, 1500g fine gravel, 300g activated charcoal, 25g potassium aluminum sulfate (alum), 25g calcium oxide (lime), 5g Kaolin (clay) powder, 5mL green food coloring, 5mL odor agent, 75 plastic cups and 15 stirring sticks

REQUIRES:

Container large enough to prepare "untreated water" (and a sharp item (such as a nail or dissecting probe) for students to poke small holes in the cups used for filtration

Cat. No.	Description	Price
S97623*	Water Treatment and Filtration Demonstration Kit	66.50/Ea

LaMotte™ Insta-TEST™ Total Chlorine, pH, Total Hardness & Iron Test Kit

Quick, easy and accurate tests using simple dip-and-read formulation.



Cat. No.	Description	Price
S66233A	Insta-TEST Total Chlorine, pH, Total Hardness & Iron Test Kit	20.75/Ea

LaMotte™ Fresh Water Test Kit

Teaches sampling techniques, careful measurement and data recording.



- Combines limnology with a water testing kit
- Tests for dissolved oxygen, carbon dioxide, nitrates, phosphates, silica, pH, calcium, magnesium and total hardness
- Soft-side tote is made of durable fabric and a solid plastic bottom ready for field work
- Handy side pockets hold thermometers, pens, writing tablets and other tools

ORDERING INFORMATION:

Grades 5+.

INCLUDES:

- Six individual cases that house components needed for various chemical tests
- Sampling bottles
- Limnology handbook
- Analysis report forms
- 50 tests per factor, except nitrate (40) and pH (100)

Cat. No.	Description	Price
S45078	Fresh Water Test Kit	554.00/Ea
S45078A	Refill Unit	200.00/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

LAB-AIDS™ Nitrate in Fresh Water Test Kit

How much nitrate is too much? With this qualitative test kit, students learn how to keep the essential balance of life in a body of water from being disrupted.



- Reveals the presence of nitrate by a light pink coloration in the solution
- Kit makes 50 experiments
- Ten students can work simultaneously

Cat. No.	Description	Price
S19349	Fresh Water Nitrate Test Kit	22.00/Ea

LAB-AIDS™ Phosphate in Fresh Water Test Kit

Understand and appreciate how phosphate can be a major cause of water pollution.



Some areas of the country have restricted the use of detergents that contain phosphates, due to the problems caused by this “non-biodegradable” substance.

- Phosphate is indicated in this qualitative test when the water sample turns blue
- Interpret tests
- Measure pH of water samples
- Understand and appreciate the relationship of chemicals in the environment
- Enough for 150 individual qualitative tests

INCLUDES:

Refill for LAB-AIDS kit #19, Qualitative Introduction to Water Pollution and kit #19-1-PH, Phosphate in Fresh Water Test

Cat. No.	Description	Price
S19350	Phosphate in Fresh Water Test Kit	22.00/Ea

 * California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

LAB-AIDS™ Fresh Water Test Kits

See why it is sometimes necessary to hold back the forces of nitrogen.



- Test for the presence of nitrates or phosphates in fresh water
- Measure pH of water samples
- Understand and appreciate the relationship of chemicals in the environment
- Enough for 150 individual qualitative tests

Both kits include:

- 10 calibrated sample tubes with caps
- 10 student worksheets and guides
- Instruction manual with SDS

Nitrate test includes:

- 10 measuring spatulas
- Six drop-controlled bottles of Nitrate Test Solution No. 1
- Two bottles of Nitrate Indicator Powder No. 2

Phosphate test includes:

- Two each drop-controlled bottles of Phosphate Test Solutions No. 1 and No. 2

Cat. No.	Description	Price
S94509	Phosphate Kit	55.75/Ea
S94510	Nitrate Kit	90.00/Ea

LaMotte™ Dissolved Oxygen Kit

Learn how to conduct oxygen-level tests for plants and animals.

- Direct-reading titrator test measures levels of oxygen
- Indicates whether a body of water can sustain healthy aquatic plants and animals
- Low oxygen levels signal contamination from organic wastes
- Measures 0 to 10ppm in 0.2ppm increments
- Azide modification of Winkler method



INCLUDES:

30mL Manganous Sulfate Solution, 30mL Alkaline Potassium Iodide Azide, 30mL Sulfuric Acid, 60mL 0.025N Sodium Thiosulfate, 30mL Starch indicator solution, direct reading titrator, 5-10-12.9-15-20-25mL glass test tube with cap, 60mL water sampling Glass bottle, Five reagents; makes 50 tests at 10ppm

- Reagent Kit Refill includes five reagents listed above

Cat. No.	Description	Price
S45088R	Dissolved Oxygen Kit Reagent Refill	37.50/Ea
S94979	Dissolved Oxygen Kit	60.00/Ea

LaMotte™ Salinity Test

Test sea water, marine estuaries, aquariums and brine solutions.

- Uses a direct-reading titrator
- Conduct accurate salt water analysis
- Measures 0 to 20ppt salinity in 0.4ppt increments
- Range can be extended to 0 to 40ppt
- Utilizes modified APHA argentometric method
- Contains three reagents
- Enough materials for 50 tests at 20ppt



Cat. No.	Description	Price
S450911	Salinity Water Test Kit	82.00/Ea
S450911R	Salinity Reagent Refill Kit	39.50/Ea

LaMotte™ Phosphate Kit

Use in freshwater or salt water.



- Low range phosphate test, 0.2 to 2.0ppm
- Ascorbic acid reagent system produces a blue color in the presence of phosphate
- Enough reagent for 50 tests

⚠ ALERTS:

Phosphate reagents are considered to be potential health hazards.

Cat. No.	Description	Price
S98239	LaMotte™ Phosphate kit	100.00/Ea

LaMotte™ Insta-TEST™ Low Range Phosphate Test Strips

Measures phosphate levels from 0, 100, 200, 300, 500, 1000, 2500 ppb in 15 seconds

- 25 strips per bottle
- 6-Pack/Case



Cat. No.	Description	Price
S28429	Low Range Phosphate Test Strips	21.25/Ea

LaMotte™ Urban Water Quality Test Kit

Introduces water chemistry concepts in urban areas.



- Introduces water chemistry concepts in areas where the lifestyle does not often include involvement in outdoor activities or contact with nature
- Helps urban students understand that environmental issues are a part of their world, and issues involving water chemistry are all around them
- Employs methods suitable for testing drinking water, runoff and street puddles
- Tests for chlorine, copper, iron, hardness, nitrate, pH, phosphates, dissolved oxygen, coliform and temperature using nonhazardous TesTabs™

INCLUDES:

Materials for 10 tests for each factor (coliform contains five tests), comprehensive handbook, all necessary equipment

Cat. No.	Description	Price
S66226	Urban Water Quality Test Kit	55.25/Ea

LaMotte™ Nitrate-Nitrogen Kit

Colorimetric test system.



- Range: 0 to 15ppm
- Sensitivity: 1.0ppm
- Number of Tests: 50

INCLUDES:

50 Nitrate No. 1 tablets, 50 Nitrate No. 2 test tablets, two plastic test tubes with caps, Octa-Slide viewer with slide bar, instructions

Cat. No.	Description	Price
S65410	Nitrate Nitrogen Tablet Test Kit	63.25/Ea
S65411	Reagent Refill Test Kit	26.75/Ea

LaMotte™ Wide Range pH Test Kit

Two octet comparators. Simply fill the tube to the mark with sample water, add several drops of indicator and compare the resulting color against the permanent color standards.



- Range: 3.0 to 10.5
- Sensitivity: 0.5

ORDERING INFORMATION: 100 tests.

INCLUDES: Two octet comparators, graduated test tubes and a bottle of indicator

Cat. No.	Description	Price
S96703	Wide Range pH Test Kit	44.50/Ea

LaMotte™ Water Quality Educator and Monitoring Outfit

Ideal for long-term water-quality monitoring.

- Tests for seven basic water-quality test factors. Prepares students for field tests or classroom work
- Set up a water-quality monitoring program, procure measurements, and interpret results
- Soft-sided tote made of durable fabric, solid rubber bottom ready for field work; handy side pockets hold thermometer, pens, writing tablets and other tools



System requirements:

- Windows™: 64MB available RAM, Windows 98, 2000, XP™ or Vista™
- Macintosh™: 128MB available RAM, OSX™ 10.1.5, 10.2.6 or 10.3
- Reagent Refill replenishes all reagents originally supplied
- Water Quality Educator CD includes: Water quality educator CD-ROM, the monitor's handbook, aquatic macro invertebrate bioassessment

INCLUDES:

- CD-ROM benchmarks and compares data for each test factor, explains typical causes and effects of higher and lower quality levels
- *The Monitor's Handbook* (71 pages)
- 100 tests for pH
- 50 tests for the following five factors: nitrate-nitrogen, phosphate, dissolved oxygen, total alkalinity, turbidity, unlimited temperature tests, aquatic macroinvertebrate bioassessment
- Lesson plans for grades 5 to 8 and 9 to 12

Cat. No.	Description	Price
S66223	Water Quality Educator and Monitoring Outfit	422.00/Ea
S66224	Reagent Refill	144.00/Ea
S66225	Water Quality Educator CD	63.25/Ea

LaMotte™ GREEN Low-Cost Water Monitoring Kit

Learn the basics of water quality monitoring and testing.

- Analyze sample water for pH, dissolved oxygen, biochemical oxygen demand, temperature, turbidity, nitrate, phosphate and coliform bacteria
- Each nonhazardous, TesTabs™ reagent tests 10 water samples (three samples for coliform)



ORDERING INFORMATION:

Grades 4+.

INCLUDES:

Manual (in English and Spanish) with diagrammed instructions, laminated color chart, all necessary apparatus and TesTabs reagents

Cat. No.	Description	Price
S65401	Green Low-Cost Water Monitoring kit	46.50/Ea

LaMotte™ Insta-Test™ Water Test Strips

Perform safe, quick and easy water quality checks with test strips.



- Monitor water without having to use reagents or field kits

ORDERING INFORMATION:

Each vial of test strips contains 50 tests per factor

Cat. No.	Description	Range	Price
S66228	Drinking, food/beverage, pool water testing	0 to 180ppm (0, 40, 80, 120, 180ppm)	12.25/Ea
S66229	Drinking water, food/beverage testing	0 to 5ppm (0, 0.5, 1, 3, 5ppm)	12.25/Ea
S66230	Drinking water, food/beverage testing	0 to 180ppm (0, 30, 60, 120, 180ppm)	13.00/Ea
S66231	Drinking, food/beverage, pool water testing	4 to 10 (4, 5, 6, 7, 8, 9, 10pH)	13.00/Ea
S66232	Drinking, pool water testing	0 to 5ppm (Iron), 0 to 3ppm (Copper)	21.25/Ea
S66234	Drinking, food/beverage, pool water testing	4 to 10 (pH), 0 to 50 (TCl)	9.75/Ea
S66235	Drinking water testing	0 to 50 (Nitrate), 0 to 10 (Nitrite)	13.00/Ea

LaMotte™ BioPaddles™ Dual-Agar Paddles for Environmental Education

Contain microbe-specific media enclosed in a sterile vial.

Flexible, ready-to-use paddles identify and quantify microbes in air, soil, water or on any surface.

- Longer shelf life than traditional Petri dishes
- No refrigeration required
- No need for inoculating loops or Bunsen burners
- Requires simple incubation and a magnifier
- Unique design enhances colony morphology characterization
- Ten paddles per box

Nutrient Agar: For routine culture of non-fastidious bacteria.

Sabouraud Dextrose Agar: For selective cultivation of fungi (yeasts and molds).

Nutrient TTC/MacConkey: TTC: For field sampling cultivation and enumeration of coliform bacteria total coliform count; Gram (-) bacterial colonies appear as red dots; Gram (+) bacteria are usually inhibited. MAC: Medium gives improved differentiation between coliforms and nonlactose fermenting organisms; Gram (+) cocci are usually inhibited.



ORDERING INFORMATION:

Ships on Monday and Tuesday ONLY.

INCLUDES:

Free basic microbe identification app and access to technical information sheet

Cat. No.	Description	Price
S04347	Nutrient TTC/MacConkey	44.25/Ea
S04348	Agar paddle; Nutrient-TTC/MacConkey	61.25/Ea

LaMotte™ Lead Screening Test Kit

An affordable, safe, and reliable screening test to identify lead in drinking water. Ideal for classroom studies or the professional screening multiple tests on campuses, office buildings, etc.

In 10 minutes, the analyst can detect lead levels above 15 ppb—the EPA action level.

Just immerse a strip in a water sample and read after a 10 minute waiting period.

- This multi-test package is designed for the professional monitoring multiple sites
- The kit includes 10 test packs with one diagrammed instruction
- Each test comes in a sealed pouch with a test vial and dropper
- Simple test protocol: immerse, wait 10 minutes, and read Easy analysis—1 Line or 2 Line result indicates result Detects Lead to EPA action level of 15 parts per billion (ppb)

INCLUDES: 10 test packs and diagrammed instructions



Cat. No.	Description	Price
S29054	Lead Screening Test Kit	95.00/Pk

LaMotte™ Water Pollution Kit Series

Three kits for detecting water pollution in aquatic environments.

Water Pollution 1 Kit

- Examines water quality in suspected or known polluted aquatic environments
- Contains individual test modules for 11 key test factors: dissolved oxygen, chlorine, pH, nitrate-nitrogen, phosphate, ammonia-nitrogen and temperature
- With complete instructions and reagents to perform 50 tests for each factor

Water Pollution 2 Kit

- Supplement to Water Pollution I outfit for more detailed water testing
- Contains data sheets and five key water quality test factors: alkalinity, carbon dioxide, chloride, color (APHA), hardness and turbidity

Water Pollution 3 Kit

- Examines water quality in industrial polluted ponds, streams or rivers
- Contains data sheets and individual test modules for six key industrial pollutants: chromate, copper, iron, sulfide, zinc and cyanide

ORDERING INFORMATION:

Grades 5+.

INCLUDES:

All kits include a field tote and three handbooks: *A Study of Water Quality*, *Our Environment Battles Pollution* and *Investigating Water Problems*



Cat. No.	Description	Price
S04351	Water Pollution 1 Kit	469.00/Ea
S04352	Water Pollution 2 Kit	522.00/Ea
S04353	Water Pollution 3 Kit	658.00/Ea

LaMotte™ AM-12 TesTabs™ Water Investigation

Test water quality as a complete experiment or in addition to other water studies.



- Measures water quality with 12 TesTabs reagents
- Uses nonhazardous TesTabs
- Flashcards inform about each test factor, describe the chemical reaction and explain the chemical influence on the environment
- To use: fill tube with water, add necessary tablets, shake tube until each tablet fully dissolves and compare resulting color to the color chart

ORDERING INFORMATION: Grades 5+.

INCLUDES:

Tablets to perform 100 tests per reagent module, test factor flashcards, color chart, test tubes and reference book (*The Monitor's Handbook*)

Cat. No.	Description	Price
S66982	AM-12 Testabs Water Investigation	276.00/Ea

LAB-AIDS™ Qualitative Introduction to Water Pollution Kit

See how water's natural color doesn't accurately indicate its degree of purity or pollution.



- Identify the pH level of natural or treated water
- Test for the presence of 10 pollutants
- Detect pollutants through color changes — the depth of color that results during testing signals the degree of pollution
- Identifiable pollutants include: ammonia, chlorine, chromium, copper, cyanide, iron, nitrate, phosphate, silica and sulfide
- Bottles are unbreakable, spillproof and designed for drop control

ORDERING INFORMATION: Class size: 50 students.

INCLUDES: Instructions and background information

Cat. No.	Description	Price
S19348	Water Pollution Kit	238.00/Ea

Alternative Energy

SunBender Do-It-Yourself Solar LED Jar Light Kit

Helps build colorful LED light that automatically comes on at night and goes off at dawn.

- Made of 3V 70mA polycrystalline solar panel
- Includes: Dusk/dawn circuit board, 2 bright 5mm LED lights, 2 SSS NiMH rechargeable batteries, battery holder and wires.
- Kit requires soldering, tools needed: soldering iron, solder and flux, hot glue gun, electric drill



Cat. No.	Description	Price
S12851	LED Jar Light Kit	11.58/Ea

SunBender Solar Science Project – Solar Panel and Digital Meter Kit

Design a science project based on measuring the effect of solar panel orientation on power output of the solar panel.

- Also referred to as "how solar panel angles effect efficiency of solar panels"
- Digital meter starts reading at 2.7V
- Solar panel is rated at 6V and will go higher than that in full perfect sun
- Angle of the panel facing the sun can be varied (tilting towards the sky or towards the horizon)
- Voltage can be measured periodically during a full day or sun to see effect of dusk to dawn period as sun moves from east to west



Cat. No.	Description	Price
S04716	Solar Panel and Digital Meter Kit	23.50/Ea

Low-Cost Solar Energy Project Kit

Discover how to convert solar energy into electrical energy.

Ideal for basic solar energy demonstrations.

INCLUDES:

- Encapsulated solar cell with attached motor
- Propeller
- Informative guide



Cat. No.	Description	Price
S63319	Solar Energy Project Kit	12.50/Ea

SolarLab 1.0 Solar Electricity Learning Kit

Designed to teach kids under 12 with adult supervision.



- Contains nine step-by-step labs in clearly-written manual
- Provides way to learn: how solar cell works, how to build circuits to power different devices using solar energy, how to use a multimeter to learn about voltage, electric current and power, and how to build solar-powered battery charger
- Teaches science behind photo-voltaic electricity production

INCLUDES:

- Multi-voltage solar panel
- Motor with fan blade and stand
- Digital multimeter
- Music box
- Bulb, diode, resistor, LED, battery holder, batteries, all cables and connectors
- SolarLab 1.0 Manual

Cat. No.	Description	Price
S04710	SolarLab 1.0 Solar Electricity Learning Kit	51.00/Ea

Solar Power Racer Education Kit

Construct a motorized DIY project using power from a solar cell.

Students will learn how motors and automotive transmissions work. They will also explore how solar cells convert the energy from sunlight into electricity to power the car's motor.



Requires little to no previous knowledge of electronics to construct and operate. For 4th grade and up.

Kit includes:

- 1x Solar Cell
- 1x Metal body
- Gears, shafts, motor, and necessary parts

Cat. No.	Description	Price
S35778	Solar Power Racer Education Kit	26.75/Ea

Photon Solar Racer Kit

Challenge your students to design and make their own solar-powered cars.

- Imaginative kit allows students to easily construct their own solar-powered car
- Dimensions: 8.5 × 3.5 × 1.5 in. (21.6 × 8.9 × 3.8cm)



INCLUDES:

All the materials required to build the racer are included — you supply paint for the car body

Cat. No.	Description	Price
S63318	Photon Solar Racer Kit	17.70/Ea

United Scientific™ Solar Powered Car

Economical and attractive demonstration car model.

- Powered by a solar cell or a rechargeable battery
- Battery can be recharged from the solar cell, demonstrating an electricity storage system for solar power
- Solar cell can be tilted to maximize the solar input
- Solar cell output can be measured at two binding posts
- Slide switch turns on/off and selects function
- All working parts visible through clear molded housing



ORDERING INFORMATION:

Dimensions: 5.75 × 2.75 × 3 in. (14.5 × 6.9 × 8.8cm).
Weights: Product: 4.5 oz. (129g) Packed item: 6.5 oz. (221g).
Product with battery: 5.5 oz. (157g)

Cat. No.	Description	Price
S02601	Solar Powered Car	33.25/Ea

Fuel Cell Car Science Kit

Combines cutting-edge science, education, and fun for all

- Uses a reversible PEM fuel cell that combines electrolysis and power conversion into one device
- Oxygen and hydrogen gases are formed in two transparent water containers
- Steers independently of the user once in operation
- Runs past obstacles; if the car hits a barrier, it automatically reverses 90°
- Grades: 6+



Renewable Energy Education CD

- Renewable Energy Science Education Manual: Introduces renewable energy in seven chapters—Global Warming and Climate Change, Solar Technologies, Wind Technologies, Electrolyzers, Fuel Cells, Hydrogen Storage, and Basic Electronics
- Experiment Manual: More than 20 experiments for middle to high school level sciences in several sections—Solar Energy, Wind Energy, Energy from Hydrogen (Fuel Cell), and “Ultra Cool” experiments
- Flash Animations: Describe and show how a fuel cell works, different types of fuel cells, electrolysis, and various applications for fuel cells
- Assembly Guides
- Technical Support with videos

INCLUDES:

Car, solar panel, water-filling syringe, all necessary components, instruction manual and a Renewable Energy Education CD

Cat. No.	Description	Price
S98606	Car Science Kit	153.00/Ea

H-Racer and H-Racer 2.0

Combination of hydrogen with oxygen generates a DC current to power an electric motor.

- Unique miniature fuel-cell car and solar hydrogen refueling station
- Refueling station creates hydrogen by electrolysis using water
- Fill the hydrogen fuel tank and the car runs on its own fuel-cell system with the simple flip of a switch
- H-Racer 2.0 features IR, remote-controlled steering
- Grades 3+



INCLUDES:

Solar cell, solar refueling station, hydrogen fuel-cell car assembly parts, instruction manual, and Renewable Energy Education CD with science education and experiment manuals and assembly guide. H-Racer 2.0 also includes remote control with batteries.

Cat. No.	Description	Price
S98604	H Racer 2.0	179.00/Ea

Energy Box

Explains fuel cell technology interaction with renewable energy sources.



COMPLIANCE:

PHTH-EU, ASTM F963, CPSIA-LEAD, CPSIA-LEAD, CPSIA-PHTHALATES, REACH

CERTIFICATIONS:

ROHS, EN71:PART1;PART2;PART3, EN62115,

Cat. No.	Description	Price
S12826	Horizon Energy Box	1349.00/Ea

Small Group Learning: Production Of Biodiesel



In this activity, students will perform a two-phase process to produce small batches of crude biodiesel. The crude biodiesel produced is of sufficient quality for use in the demonstration of the burning qualities of both biodiesel and vegetable oil.

- Included is an optional small-scale exercise where the students will use a washing procedure for the crude biodiesel
- Students experience the full process of producing biodiesel to meet quality levels necessary for use in vehicles
- Kit contains enough material for 5 groups
- Teacher’s Manual and Student Study Guide copymasters are included
- Aligned to the Next Generation Science Standards (NGSS)
- Disciplinary Core Ideas: PS1.A; PS1.B
- Performance Expectations: MS-PS1-2; MS-PS1-3; HS-PS1-2
- Cross Cutting Concepts: Patterns; Structure and Function
- Engineering Practices: Analyzing and Interpreting Data; Obtaining, Evaluating and Communicating Information
- Size: 10 x 10 x 10 in. (L x W x H)



DISCLAIMERS:

Next Generation Science Standards is a registered trademark of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards was involved in the production of, and does not endorse, this product.

Cat. No.	Description	Price
S40756**	Production Of Biodiesel Small Group Kit	29.50/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Physics

Mechanics

The Science of Flight: The Spirit of Innovation Classroom DVD Kit

Explains power, process, and principles of flight

- For grades 6-12



Cat. No.	Description	Price
S14182	The Spirit of Innovation Classroom DVD Kit	110.00/Ea

Single Stage Engines

Model Rocket Engines have been proven consistent and reliable in more than 300,000,000 launches. Refer to the recommended engines listed with the rocket.



INCLUDES:

Igniters and plugs

Cat. No.	For Use With (Equipment)	Quantity	Price
S41867A	Engines B6-4	24 Pk.	77.70/Pk
S41871A	Engines A8-3	24 Pk.	77.10/Pk

Bottle Rocket Launcher

Get a quantitative idea of the effects of varying moments of inertia.

Pressurize a plastic soda bottle with an ordinary bicycle pump (not included). Vary the amount of pressure and/or water fuel to see whose rocket will go the highest. Experiment with different fin styles to observe how changes in design affect flight paths.

- Solid aluminum construction
- Simple triggering mechanism
- Mounting stakes

INCLUDES:

Instructions and a paper astrolabe for determining rocket altitude



Cat. No.	Description	Price
S41988	Bottle Rocket Launcher	40.50/Ea

Projectile Launcher for Plastic Marbles

Can launch the plastic marbles a maximum of 8 meters

- Launch tube has five speed settings that can lock into place to assure consistent launches at the same velocities
- Protractor printed on the base to measure the angle of launch
- Photogate (not included) can be attached near the mouth of the launcher to accurately record initial velocity



Cat. No.	Description	Price
S38982	Projectile Launcher for Plastic Marbles	113.00/Ea

Projectile Launcher

Alter the mass of projectiles and observe the effect on their trajectories. Projectile Launcher features a built-in clamp to fasten the device securely to tabletops.

- Students can alter the mass of the ball and observe the effect on the ball's trajectory
- The launcher features a spring loaded trigger and easy to use release mechanism that can be adjusted for tension
- A protractor and plumb bob are fixed to the face of the apparatus for determining the angle of inclination
- The built-in clamp is used to secure the apparatus to a tabletop
- Four holes spaced 5cm apart are located at the top and bottom edge and are used for attaching a photogate (not included)
- The kit also included three 25mm balls with a different mass, aluminum, lead and steel



Cat. No.	Description	Price
S13995	Projectile Launcher	102.00/Ea

Glider Catapult Kit

Helps prepare for high-flying competitions



- With rubber strip
- Includes contest-legal catapult kit constructed of basswood with rubber strip launch elastic

Cat. No.	Description	Price
S12889	Glider Catapult Kit	24.00/Ea

Advanced Ballistic Pendulum

More versatile, more durable and safer than traditional models.



Anodized aluminum pendulum assembly is durable, lightweight and uses a lighter spring, which is easier to cock and safer to fire.

- Eliminates time-consuming alignments and periodic adjustments when demonstrating energy conversions
- Fully integrated pendulum ratchet pivots on a PTFE sleeve; has etched degree markings to show the displacement angle
- Ball bearings and a nylon gun shaft sleeve help reduce friction and improve experimental results
- Adjustable sleeve varies the radius of gyration for experiments involving the conservation of angular momentum
- Unique clamp designed to produce inelastic collision, capture projectiles and remove projectile without damaging the pendulum
- Muzzle velocity can be determined with the angular deflection markings and the center of mass hash line

INCLUDES:

Two steel balls, adjustable sleeve and detailed laboratory manual

Cat. No.	Description	Price
S409643A	Ballistic Pendulum	401.50/Ea

Variable Inertia Apparatus

Demonstrates rotational inertia and the effect of weight distribution



- Each disk can be opened up to redistribute steel balls into the eight compartments
- Set comes with two pucks and eight steel balls

Cat. No.	Description	Price
S38981	Variable Inertia Apparatus	13.75/Ea

Inertial Balance

Allows for the measurement of the inertial mass of an object.



- Allows for the measurement of the inertial mass of an object, and is an effective way to demonstrate Newton's First Law
- The Inertial Balance allows for the comparison of both known and unknown masses

Cat. No.	Description	Price
S13996	Inertial Balance	27.75/Ea

Eisco Drilled Aluminum Ball

Can be used for collision and pendulum demonstrations



- 3/4 in. and 1 in. Aluminum Ball
- Drilled for lab demonstrations
- Approx 2.5mm drilled hole

Cat. No.	Description	Price
S12894	1 in. Ball	4.80/Ea

Eisco 1 in. Drilled Hardwood Ball

The Eisco 1 in. Drilled Hardwood Ball can be used for collision and pendulum demonstrations.

- Drilled for lab demonstrations
- Approx 2.5mm drilled hole
- 1 in. hardwood ball



Cat. No.	Description	Price
S12910	1 in. Drilled Hardwood Ball	1.35/Ea

Eisco Ballistic Pendulum

The Ballistic Pendulum contains everything needed to measure the momentum of a projected object.



This unit can be used to aid in the understanding of momentum, velocity, conservation of momentum and energy, potential energy, and kinetic energy. Its sturdy construction and clear labels make it easy to use.

- Includes ballistic launcher, rigid arm pendulum, angle backdrop, steel ball, and release mechanism
- Convenient angle backdrop makes measurements easier
- Black in color with white labeling
- Rigid arm pendulum with rubber head
- All pieces are connected and can be moved as one unit

Cat. No.	Description	Price
S12901	Heavy Base	64.25/Ea

Balloon and Puck Set

Comes with four pucks and four plastic tubes connected to balloons

- Balloons and pucks can be put together without any tools
- Place on a smooth surface to experiment with levitation, elastic collisions, and inelastic collisions



Cat. No.	Description	Price
S38984	Balloon and Puck Set	19.50/Ea

Eisco Adjustable Clamp Pulley

To demonstrate a wide variety of mechanics principles.



- Sturdy metal construction
- Metal sheave can be adjusted from flush with tabletop to 13cm above it
- Pulley can be rotated to 360° to suit any experimental setup
- L x W x H: 10.6 x 5.9 x 2.8 in.

Cat. No.	Description	Price
S23660	Adjustable Clamp Pulley	19.75/Ea

Eisco Pulley Model

Demonstrates how the use of several pulleys can increase mechanical advantage.

- Three pulleys mounted on a solid wood base
- Sturdy wooden construction is ideal for hands-on classroom use
- Can be used both qualitatively and quantitatively to study mechanical advantage
- Simple design lends itself easily to inquiry-based activities



INCLUDES:

Activity guide

Cat. No.	Description	Price
S07820	Pulley Model	32.25/Ea

Eisco Pulley with Universal Clamp

Aluminum pulley with universal frame.

- Can be clamped in any position to a wall, bench, drawing board, corner or edge of table
- Also can be fitted to a retort stand rod of 0.5 in. diameter (1.25cm)
- Two clamping screws have Bakelite™ knobs for easy grip
- 5cm pulley



Cat. No.	Description	Price
S99357	Pulley with Universal Clamp	13.25/Ea

Eisco Pulley-on-Clamp

With bracket for bench mounting.

- Clamp made from high-quality metal
- Painted in red
- Pulley made from high-quality plastic
- Gray hand knob for tightening clamp



Cat. No.	Description	Price
S24882	Pulley-On-Clamp	15.75/Ea

3B Scientific™ Acceleration Spark Timer

Used to determine the rate of acceleration in a falling weight and calculates the speed of a moving cart.

Easy for the student to calculate the velocity and acceleration or study the forces of friction.



- A paper strip is pulled through the device while sparks burn tiny dots on the paper at very precise time intervals
- The faster the strip passes through the sparks, the larger distance between dots
- All parts of the spark timer are enclosed for safety
- 6.25 × 2.75 × 4.25 in. (15.9 × 7.0 × 10.8cm)
- 1.75 lb. (0.8kg)

INCLUDES: Instructions

Cat. No.	Description	Price
S99677	Acceleration Spark Timer	39.25/Ea

Mechanics Kit

Helps students build a strong foundational understanding of classic Newtonian mechanics of force, mass and motion

- Eight separate experiments can be achieved using the 26 component parts
- Experiments:
 - Newton's Law
 - Hooke's Law
 - Resolving Forces
 - Archimedes' Principle
 - Law of Parrallelograms
 - Friction
 - Acceleration
- High quality construction will last through years of use



INCLUDES: Instruction guide for 8 experiments

WARRANTY: 1 year

Cat. No.	Description	Price
S38985	Mechanics Kit	303.00/Ea

Eisco Visual Scientifics Free Fall

Measuring acceleration due to gravity.

Students design and construct experiments to measure acceleration due to gravity and determine which factors affect their results.



- Main Lab: What is the gravitational constant all about?
- Extension One: modeling air resistance
- Covers 10 Next Generation Science Standards Concepts
- Covers 10 Common Core Standards
- Approximately three hours of class/lab time material
- 20 pages in total
- System is algebra-based
- All-metal construction of modules
- Student workbook is a guide for students to fill out as they work through the main lab and lab extensions
- Includes recommended safety measures and precautions for use in a classroom
- Introduction relates general background and history of the lesson
- General Theory Section lays out the theory and mathematics behind the lesson plan
- Experimental Teaching Guide helps teachers prepare lesson plans and lead inquiry or step-based activities
- All labs and extensions include recommendations for video analysis setups

ORDERING INFORMATION:

For use with Physical Science System Base (S06893).

INCLUDES:

Extensive instructions to assist with lesson planning, student activities and experimental procedures; contains release mechanism, ball and landing pad

Cat. No.	Description	Price
S06901	Visual Scientifics Free Fall	70.25/Ea



FISHER SCIENCE EDUCATION:
MAKING SCIENCE MATTER

Visit us online at fisheredu.com to learn more about our programs, services and resources.

Eisco Garage Physics Catapult Kit

Allows students to explore force, acceleration, Hooke law, and parabolic trajectories by building and testing a fully-functional catapult.

- Designed for elementary through high school
- Contains catapult base, sides, lever arm, rubber bands, screws, dowels, hook, and ping-pong ball
- DIY kit includes adjustable parts to experiment with different initial conditions
- Instructions detail learning exercises and routes of further exploration



Cat. No.	Description	Price
S24329	Physics Catapult Kit	25.50/Ea

Eisco Garage Physics Large Trebuchet DIY Kit

Kit engages the young learner to discover new ideas about the physical world through assembly and play. Eisco Garage Physics Large Trebuchet DIY Kit kits contain pre-cut wooden pieces that resemble woodworking projects.

- Medieval weapons, engineering, and physics - not a bad way to spend a Saturday afternoon constructing this trebuchet which will throw the included ping pong ball more than 30 feet and heavier objects farther.
- The main material is high-quality precision-cut Birch vernier pure bond plywood.
- All necessary parts are included and holes are pre-drilled.
- The kit is specially designed to be safe and robust. Dry firings and heavy projectiles are no problems for this kit.
- All that is needed for assembly is time, a screwdriver, a hammer, and fun. No glue, mess or fuss, just assembly, and experimentation
- The trebuchet is one of the most elegant of all medieval weapons ever invented. With a simple counterweight, beam arm, and sling, heavier projectiles can be launched much further than is possible with other siege engines. Think of it as a machine which transforms gravitational potential energy into kinetic energy. A lot of kinetic energy! Arcing across your yard! We include a ping pong ball, but have experimented with marshmallows, jelly beans, bouncy balls and other safe objects. Two release pin angles allow exploration of how the release angle changes the trajectory. The included guide provides clear assembly instructions with pictures. It also contains pedagogy for exploring concepts of energy transfer using the scientific method.



Cat. No.	Description	Price
S43526	Large Trebuchet DIY Kit	54.50/Ea

Volume and Density

Eudiometers

Measures change in volume of gas mixture following a physical or chemical change.

- Capacity: 50 to 100mL



Cat. No.	Description	Price
S32353	50mL with subdivisions at 0.1mL	54.00/Ea
S32356	100mL with subdivisions at 0.2mL	79.00/Ea

Density of Liquids: The Color Column

Witness a colorful density gradient.

- Several liquids of varying color are added to a cylinder
- A density gradient forms due to differing densities of the liquids, resulting in a layered, multi-colored column
- As an optional investigation, compare the relative density of small solid objects by dropping them in the density column



INCLUDES:

Materials for five demonstrations: 450mL glucose syrup, 400mL liquid detergent, 400mL vegetable oil, 400mL ethyl alcohol, 25mL blue food coloring, 25mL red food coloring, graduated cylinder, plastic cups (5) and instructions

Cat. No.	Description	Price
S98652**	Density of Liquids: The Color Column	56.00/Ea

United Scientific™ Density Cube Sets

- For use in science experiments involving density
- Cube measurements are equal
- Includes: One each of acrylic, oak, pine, poplar, steel, aluminum, copper, brass, nylon, and PVC cubes packaged in wooden storage box and a reference table



Cat. No.	Description	Price
S23979	Density Cube Sets	29.00/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

United Scientific™ Equal Volume Squares

Used for specific gravity experiments.



- Available as individual squares
- Made of copper, brass, steel and aluminum

Cat. No.	Description	Price
S07039	Equal Volume Metal Squares Set	29.25/Ea

United Scientific™ Equal Volume Cylinders

Ideal for specific gravity, density, volume and calorimetry experiments.



- Available as individual and set of cylinders
- Made of aluminium, brass, copper, steel, PVC and wood

Cat. No.	Description	Price
S07034	Cylinder Set	16.25/Ea

Heat and Thermodynamics

Eisco Heat Transfer Kit

Introduces concepts of thermal energy and heat transfer to students.

Features aluminum heat transfer bar to demonstrate migration of thermal energy between two Styrofoam calorimeters.

INCLUDES:

2 Styrofoam Calorimeters with lids, Aluminum heat transfer bar, Low range thermometer (-40° to +50°C), High range thermometer (-30° to +10°C)



Cat. No.	Description	Price
S12996	Heat Transfer Kit	27.50/Ea

Energy Transfer Demonstration

Allows students to observe heat being transferred through an aluminum bar between two calorimeters by measuring the temperatures over time in each.

- Investigate the transfer of heat between hot and cold liquids
- The heat will flow through a heavy aluminum bar dipping into each of those two liquids
- The liquids will be contained in insulated containers, calorimeters, so that temperature changes you observe will be almost entirely due to heat moving through the aluminum bar
- The cup on the right will contain water and the cup on the left can contain a variety of liquids including salt water and alcohol
- The kit includes two insulated cups, two thermometers, an aluminum heat transfer bar and instructions



Cat. No.	Description	Price
S13993	Energy Transfer Demonstration	37.00/Ea

Melting Point Apparatus

Measures the melting point or temperature at which a substance begins to change from solid to liquid.



- 16 × 2 LCD display
- Membrane keyboard on front panel
- Two sample measurements simultaneously
- Magnifying lens for clear observation
- Includes capillary tubes, closed at one end (pack of 100 tubes)

Specifications

- Temperature range: 50 to 400°C
- Resolution: 1°C
- Input Voltage: 110V AC
- Primary Fuse: 2A
- Heater Type/Wattage: Cartridge/200W.
- Dimensions (L × W × H): 250 × 135 × 225mm

Cat. No.	Description	Price
S24649	Melting Point Apparatus	495.00/Ea

DMP100 Melting Point Device

Mercury-free, easy to program digital melting point device is ideal for testing in undergraduate organic chemistry labs.

- Space saving compact design
- Material: Metal/ABS
- Digital LED temperature display with 0.1°C resolution
- Magnifying lens allows view of one or two samples
- Easy to program fast and slow temperature rates; adjustable



INCLUDES:

100 Glass capillary tubes

WARRANTY:

3 years

CERTIFICATIONS:

CE

Cat. No.	Description	Price
S37564	Melting Point Device	1120.00/Ea

Glass Capillary Tubes with One End Sealed

Economical glass capillary tubes are for use with DMP100 Melting Point Device.

- Transparent glass tube
- Packaged in a tube of 100 each
- Length: 100mm
- Determine chemical melting point and purity of solid chemical by adding 4 to 6mm to the tube and inserting it into the Melting Point Device



Cat. No.	Description	Price
S37565	Glass Capillary Tube	12.00/Pk

United Scientific™ Thermal Emission Cans

Demonstrates the difference in cooling rates of hot water.

- Two identical sized metal cans with screw cap (one smooth metal and other painted dull black)
- Different surfaces demonstrate the difference in cooling rates of hot water inside the cans attributed to thermal radiation emitted by two cans
- Includes activity guide



Cat. No.	Description	Price
S07020	Thermal Emission Cans	16.50/Pk

United Scientific™ Heat Conductometer

Demonstrates differences in heat conductivity of aluminum, brass, steel, nickel, and copper.

Used to teach concepts of transmission of heat, conductors and insulators, conductivity of a material, and the relation between conductivity and atomic structure.

- Features five radial spokes attached to brass hub
- Each rod is marked with metal name on the hub for identification
- Notches in each rod to contain wax pellet
- Unit comes assembled with supply of wax and activity guide
- Overall dimensions: 38 × 20 × 2.5cm (14 × 7 × 1 in.)



Cat. No.	Description	Price
S12874	Heat Conductometer	13.50/Ea

Waves, Sound, and Light

Standing Wave Demonstration Kit

The Wave Kit with Vibration Generator and Chladni Plate has all of the necessary components to explore concepts like standing waves, circular waves, and acoustic wave patterns



Kit includes:

- Stand with base and rod
- Chladni plate
- Boss head clamp
- Pan
- Various Disc Shaped Weights
- Pulley with clamp
- Set of Patch Cords
- Vibration Generator
- Variable Frequency Generator with Power Cord
- Thread Roll
- Instructions provided

Cat. No.	Description	Price
S39006	Wave Kit with Vibration Generator and Chladni Plate	276.00/Ea



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Right Angle Glass Prism

Prisms are a great teaching tool for demonstrations using light. The Right Angle Glass Prism is a great teaching tool for demonstrations using light. This prism is right angle and glass. Optically clear and individually boxed.

- Optically clear
- 32 × 30 × 40mm
- Individually boxed
- Right angle



Cat. No.	Description	Price
S13668	Prism, Glass, Right Angle	4.20/Ea

Equilateral Prisms

Prisms are a great teaching tool for demonstrations using light.

- Optically clear
- Glass
- Equilateral
- Individually boxed



Cat. No.	Size	Material	Price
S13667***	25 × 50mm	Acrylic	2.30/Ea
S13672	25 × 150mm	Glass	7.95/Ea
S13669	25 × 50mm	Glass	3.50/Ea

United Scientific™ Flexible Acrylic Mirrors

Flexible, double-sided, acrylic mirrors.



- Available in various sizes and assortments

Cat. No.	Description	Price
S07368	Acrylic Mirror	18.50/Pk



* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

United Scientific™ Acrylic Demonstration Lenses Sets

Set of six lenses of a variety of types.

- Each single-diameter set includes a double convex, plano-convex, concavo-convex, double concave, plano-concave and convexo-concave lens
- Three diameters available
- Includes an activity guide
- Diameter: 1.5 in./ 38mm



ORDERING INFORMATION:

Comes in a reusable cardboard storage box.

Cat. No.	Description	Price
S42920	Demonstration Lenses	14.75/Pk

United Scientific™ Optical Bench Set

Contains sufficient equipment for high school physics applications.

Contents:

- 1 Screen support
- 2 Lens Supports for 38mm and 75mm lenses / mirrors
- 5 Board screens measuring 10 × 12.5cm with a millimeter scale on both sides
- 1 Marker and object
- 2 Metal supports for meter stick
- 1 Candle holder
- 1 Paraffin candle



REQUIRED:

Meter stick

Cat. No.	Description	Price
S05913	Optical Bench Set Without Meter Stick	20.25/Ea

United Scientific™ Periscope

Inspired by naval periscopes used on submarines.



- Hand-held instrument
- Used for demonstrating reflective qualities of light
- Consists of outer case with mirrors at each end set parallel to each other at 45° angle
- Dimensions: 8 × 2 × 2 in. (20 × 5 × 5cm)

Cat. No.	Description	Price
S06979	Periscope	8.95/Ea

United Scientific™ Spectrum Tubes

The classic demonstration of spectral lines.

Acquaint students with the spectra of common gases in their pure form while demonstrating concept of wavelength.



- 25cm (10 in.) long
- Capillary portion about 4 in. (10cm) long

Note: For intermittent use only; 30 seconds on requires 30 seconds off while in use.

INCLUDES:

Sealed electrode, metal endcap, loop for convenient hookup to wire connections. Activity guide comes with each spectrum tube.

Cat. No.	Description	Price
S06999	Air Spectrum Tube	25.00/Ea

Laser Optics Kit

Ideal for studying optics and the ways light is reflected, absorbed, or transmitted when it encounters various obstacles



- The included laser ray box can shoot either one, three, or five parallel beams (650nm) across the provided protractor into a number of obstacle accessories to measure how the light reacts and changes paths
- Included accessories:
 - 1 Circular shape
 - 1 Semi-circle shape
 - 1 Rectangular shape
 - 1 Acrylic bar
 - 1 Equilateral triangle
 - 1 Right triangle
 - 1 trapezoid
 - 1 Bi-concave shape
 - 1 Plano-convex shape
 - 2 Plano-concave shapes
 - 6 Bi-convex shapes
 - 1 Acrylic mirror
 - 1 Equilateral prism (50mm)
 - 1 Acrylic tank (125mm)

Cat. No.	Description	Price
S39014	Laser Optics Kit	102.00/Ea

Eisco 28-Piece Visible Ray Geometrical Table Top Optics Set

This Visible Ray Geometrical Table Top Optics Set is modeled after the Hartl Optical Disc system and designed to rest horizontally on any flat surface. It contains components to cover ray optics, reflection, refraction, colour mixing, absorption, focal length measurement, and more.



- Modeled after Hartl optical disc system
- Designed to rest horizontally on any flat surface
- Ray box produces a variety of different thickness rays and number of rays
- Used for demonstrating reflection, refraction, dispersion, ray tracing, geometrical optics, convergence, divergence, collimation, refractive index, etc.
- Enough components to do over 30 experimental geometrical optic set ups
- Set does not include instructions or power source, power source needs to be 12V AC/DC, 1.5A

INCLUDES:

(1) Raybox, (3) Ray slit cards to make light rays, (1) Open vessel to add fluids of different refractive indices, (1) 360 degree optical bench disk, (2) Acrylic triangular blocks, (1) Acrylic Semi Circle Block, (1) Rectangular Block, (1) Extra Bulb for ray box, (8) Various color filters, (3) Mirrors, (1) Convex lens, (1) Double convex lens, (1) Double Concave lens, (1) Color index card, (2) Half Frosted slides

WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S41538	28-Piece Visible Ray Geometrical Table Top Optics Set	128.00/Ea

Eisco Tuning Fork Octave Set

For teaching octaves



- Complete set of eight equally tempered tuning forks

Cat. No.	Description	Price
S96192	Octave Set	96.00/Pk

Eisco Resonant Tuning Fork Set

Demonstrates acoustical resonance and sympathetic vibration.

- Generates 440Hz vibrations
- Forks mounted on wooden resonance boxes

INCLUDES:

Two 440Hz chromium-plated, carbon-steel tuning forks; wooden resonance boxes; rubber hammer



Cat. No.	Description	Price
S96193	Eight Forks with Resonance Boxes	170.00/Ea

Eisco Tuning Fork Set

Demonstrate eight different frequencies with one set.

- Forks vibrate with these frequencies: 256, 288, 320, 341.3, 384, 426.6, 480 and 512Hz
- Mallets made with one hard and one soft end
- Cushioned for safe storage

ORDERING INFORMATION:

Come in sturdy wooden case.



Cat. No.	Description	Price
S96194	Tuning Forks, Set of 8	43.00/Ea

Electricity and Magnetism

Polarization Experiment

Allows users to investigate linear polarization, which occurs when the electromagnetic waves of a photon are all aligned in one direction

- Polarizers have a protractor surrounding all sides in order to keep track of the angle of polarization
- When the two polarizers are perpendicular to each other, users can see how polarized light is blocked if it tries to pass through a polarizer facing in the other direction
- Light can exist in three states - unpolarized (such as the light from the sun or a standard light bulb), linearly polarized, or circularly polarized



Cat. No.	Description	Price
S39013	Polarization Experiment	64.00/Ea

Magnetic Puck Set

Demonstrates elastic collisions



Set of two magnetic pucks will repel each other in a collision on an air table

Cat. No.	Description	Price
S38983	Magnetic Puck Set	23.75/Ea

United Scientific™ Alnico Magnet Set

Set of four powerful Alnico magnets with keepers.



- Two bar magnets: 3.2 × 0.6 in. (80 × 15mm)
- Small horseshoe: 1 × 0.3 in. (25 × 8mm)
- Large horseshoe: 1.4 × 0.6 in. (35 × 15mm)

Cat. No.	Description	Price
S90313	Alnico Magnet Set; Weight: 0.40kg	44.00/Pk

Helmholtz Coil

Useful for creating near-uniform magnetic fields or for cancelling



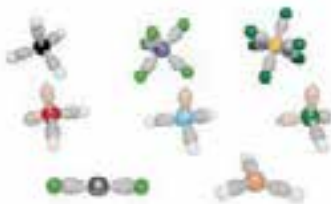
Features two 5-inch solenoids each made of 440 turns of enameled copper, a 26cm printed scale and two 4mm induction safety sockets

Cat. No.	Description	Price
S39005	Helmholtz Coil	118.00/Ea

3B Scientific™ Molecular Shapes: Electron Repulsion Theory

Contains sufficient parts to make eight atomic models.

- Different shapes are examples of bond orientations and cover coordination numbers one through six
- Lone pairs are represented by brown spheres or brown pear-shaped parts
- Two extra pear-shaped parts are included to enable protonated models to be made, such as the formation of H_3O as a result of the migration of H^+ from Hydrogen Chloride



Cat. No.	Description	Price
S68294	Electron Repulsion Theory	32.75/Ea

Law of Resistance Kit

Includes multimeters that are able to test the electrical resistance of each material



- When a wire is connected to a power supply (sold separately), the included multimeters are able to test the electrical resistance of each material
- Wires are as follows:
 - One 24 gauge constantan (a copper-nickel alloy) wire
 - One 30 gauge constantan wire
 - One 30 gauge iron wire
 - One 30 gauge copper wire
- Also included are two lead sets and two patch cord sets
- Fitted to the board below are four wires with terminals on either end

Cat. No.	Description	Price
S39004	Law of Resistance Kit	105.00/Ea



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Field Lines and Equipotential Lines

Allow users to plot electrical field and equipotential lines to gain a better visualization of the electromagnetic field created when electricity flows through an electrode.

Kit includes:

- 1 Trough with graph print
- 1 Aluminum needle
- 1 Rod with a socket
- 1 Multimeter
- 1 Cylindrical base
- 2 Bar electrodes
- 2 Disc electrodes
- 1 Ring electrode
- 1 Stand rod
- 1 Boss head
- 2 Sets of flexible plug leads
- Instructions included



Cat. No.	Description	Price
S39008	Field Lines and Equipotential Lines	205.00/Ea

Transformer Kit

Provides the tools to investigate step-up and step-down transformers, motors, brakes, Eddy current, and shaded-pole motors



Kit includes:

- 5 Coils (one 300 turn, one 600 turn, one 1,200 turn, one 3600 turn, one 12,000 turn)
- 1 U and I core
- 2 Multimeters with leads
- 1 Pair of banana connecting leads
- 1 Plain Quadrant-shaped plate
- 1 Slotted Quadrant-shaped plate
- 1 Aluminum motor disc
- 1 Vertical support rod
- 1 Clamping screw
- Instructions provided

Cat. No.	Description	Price
S39007	Transformer Kit	276.00/Ea

Eisco Physics Kit: Electricity System 1

Students can explore common experiments such as Ohm's Law, Series and Parallel Resistance Circuits, Kirchhoff's Laws, and RC Circuits.

- Over 50 components for building circuits
- Use to teach 16 activities
- Includes Activity Guides with Student worksheets

Experiments Covered:

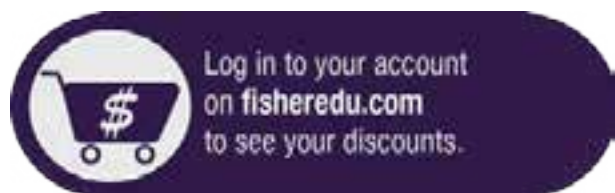
- Simple Electric Circuit with Switches
- Voltmeter Use
- The Voltage Divider
- Ammeter Use
- The Potentiometer as a Variable Resistor
- Ohm's Law and the Voltametric Method
- Series Resistance Circuits
- Parallel Resistance Circuits
- Kirchhoff's First Law
- Kirchhoff's Second Law
- Series Capacitance Circuits
- Parallel Capacitance Circuits
- RC Circuits: Charging
- RC Circuits: Discharging
- The Magnetic Field of a Line of Wire
- The Magnetic Field of a Coil



INCLUDES:

Board for Electricity and Electronics 1, Analog Voltmeter, 0-15 V, 0-1.5 V 1, Analog Ammeter, 0-500 mA, 0-50 mA 1, 100 units resistor 4, 220 Units resistor 2, 470 Units resistor 2, 1 k Units resistor 2, 4.7 k Units resistor 2, 10 k Units resistor 2, 100 Units potentiometer 1, 1000iF capacitor 2, Lamp holder for E10 bulbs 4, Bridging Plug 4, Two cell holder 1, Single cell holder 1, 10 mH inductor (coil) 1, Compass 1, Toggle switch 1, Push button switch 1, Lamp bulb E10, 3.5 V 4, Lamp bulb E10, 6 V 4, Lamp bulb E10, 12 V 4, Cylindrical magnet 1, Ferromagnetic core (hexagonal steel screw & nut) 1, Banana plug cord, 25cm, red 2, Banana plug cord, 25cm, black 2, Banana plug cord, 50cm, red 1, Banana plug cord, 50cm, black 1

Cat. No.	Description	Price
S13471	Electricity System 1 Physics Kit	407.00/Ea



LAB-AIDS™ Audible Conductivity Indicator

An alternate to light-sensitive LEDs, this new, inexpensive indicator is sensitive enough to detect the free H⁺ ions in water.



The nature of solutions and particles in solutions can easily be studied with the safe conductivity indicator. Using a 9V battery (not included) eliminates any possible electric shock. Indicates increasing electrical conductivity by an easily detectable, audible tone that increases in volume and intensity as the conductivity increases.

Unit can be used with both liquids and solids.

Cat. No.	Description	Price
S45012A	Audible Conductivity Indicator	35.50/Ea

Eisco Borosilicate Salt Bridge

The salt bridge is used to connect the oxidation and reduction half-cells of a galvanic cell. It allows ions to flow from one solution to the other without mixing and allows the solutions to remain electrically neutral.

- Comprises an inverted "U" tube with its ends closed by sintered discs.
- For use in experiments involving the measurement of cell EMF under conditions of forward, zero and reverse current flow.
- The bridge comprises an inverted "U" tube with its ends closed by sintered discs.
- This apparatus provides a more effective method of making reversible cells than the wet filter paper or agar gel methods.



Cat. No.	Description	Price
S28009	Borosilicate Salt Bridge	16.00/Ea

United Scientific™ Hoffman Electrolysis Apparatus

For qualitative and quantitative study of electrolytic decomposition of electrolytes such as water and hydrochloric acid.

- Tubes are 2 in. (50mm) each
- Dimensions: 24 × 12 × 6 in. (61 × 31 × 15cm)

INCLUDES:

Support stand, burette clamp, extension clamp, bosshead clamp, pair of platinum electrodes, pair of carbon electrodes, activity guide



Cat. No.	Description	Price
S07009	Hoffman Electrolysis Apparatus	158.00/Ea

Eisco Hand Generator with Light and Banana Terminals

Utilized with almost any experiment requiring upto 12V DC current. Eisco Hand Generator with Light and Banana Terminals is a hand operated, housed in clear tough plastic case.

- Hand crank generator up to 12V DC
- Light bulb to show power generation
- Banana plug terminals
- Housed in clear tough plastic case
- Use binding post to connect outside electrical circuit
- Mounted lamp on the end can be used as a flash light



Cat. No.	Description	Price
S23700	Hand Generator with Light and Banana Terminals	17.75/Ea

Static Charge Indicator

Easily and effectively determine if a charge is positive or negative.

- LED lights indicate if charge is positive or negative
- 3 Friction Rods included - acrylic, PVC, and nylon
- 5V power adapter included



Cat. No.	Description	Price
S13927	Static Charge Indicator	32.00/Ea

United Scientific™ Flask Form Electroscopes

Flask form electroscopes used to detect invisible electrical charges

- Electroscopes are housed in a 250mL Pyrex™ flask with a metal rod attached to a rubber stopper
- A pair of aluminum leaves is suspended from an alligator clip
- The knob on top of the rubber stopper accepts a charge
- When the charge enters the flask, the aluminum leaves separate



INCLUDES:

Alligator clips, 2 pairs of aluminum foil

Cat. No.	Description	Price
S12875	Flask Form Electroscopes	12.50/Ea

Electroscope with Metal Case with Foil

A great apparatus for testing the difference in the electrical potential of an object. The Electroscope is used for detecting the electrical potential of an object, allowing you to see the presence or absence of an electrical charge.

Features a glass window box for viewing the demonstration while preventing any unintended motion of the leaves by shielding them and causing the leaves to react only to charges which are intentionally brought to the leaves.

- Metal case with glass windows
- Includes instructions and foil



INCLUDES:

Instructions

Cat. No.	Description	Price
S13678	Electroscope with Metal Case with Foil	15.00/Ea

Bare Copper Wire

For general lab use and low voltage hook-ups.

Applications:

- As a fastener
- For electrodes
- To connect circuits
- As a source of copper in electrochemistry experiments



ORDERING INFORMATION:

Comes in 1 lb. spool (454g).

Cat. No.	Gauge	Diameter (English) Inside	Length (English)	Price
S4821A	16 ga	0.0508 in.	126 ft.	27.00/Each
S4821B	18 ga	0.0403 in.	199 ft.	26.50/Each
S4821C	20 ga	0.032 in.	315 ft.	29.50/Each
S4821D	22 ga	0.0253 in.	501 ft.	28.75/Each
S4821E	24 ga	0.0201 in.	793 ft.	28.50/Each

Eisco Connecting Leads with Alligator Clips

12 in. (300mm) black connecting lead with alligator clips at both ends for 4mm plug. Enables quick temporary electrical connection.

- Red or Black



Cat. No.	Description	Price
S14009	Black	4.40/Ea
S14010	Red	4.40/Ea

Magleads

Make working electrical circuits instantly.

- Contain tiny, yet powerful magnets at each end
- Self-connect to battery case and bulb holder connector to create a circuit
- 4mm magnets work anywhere standard clips are used
- Can be daisy chained together to extend length
- Pack of 10



Cat. No.	Color	Length (English)	Length (Metric)	Price
S94395	Black	11.8 in.	30cm	17.25/Pk
S94396	Red	11.8 in.	30cm	17.25/Pk
S94394	Red	5.9 in.	15cm	15.75/Pk
S94393	Black	5.9 in.	15cm	15.75/Pk

Electrode Mini Disc Set

Useful in thermal conductivity experiments



Cat. No.	Description	Price
S38992	Electrode Mini Disc Set	46.00/Pk

DC Motor with Leads

Provides a compact power source for classroom experiments. This little, yet powerful, motor is ideal for hundreds of electrical experiments and projects.



- Housing: 2.38cm D x 3.05cm L
- Overall length: 4.5cm including the 0.2cm shaft
- Voltage requirements: 4.5 to 6.0 DC
- 0mm long red and black connector cord with insulator

Cat. No.	Description	Price
S24556	DC Motor with Leads	2.00/Ea

Ampere's Law Demonstration Kit

Consists of a heavy brass wire attached to a transparent plastic base

To demonstrate Ampere's rule using this apparatus, arrange the compasses around the wire, attach the wire to a power supply (not included), and turn it on. The electrical current will cause the compass needles to change directions.



INCLUDES:

6 small compasses, 1 large compass

Cat. No.	Description	Price
S38990	Ampere's Law Demonstration Kit	45.00/Ea

United Scientific™ Electricity and Magnetism Kit

Comprehensive 29-piece kit that introduces students to the basic principles of electricity and magnetism including magnetic attraction and repulsion magnetic fields, and electromagnetism.



- Force in a magnetic field and electric motor basics are included, and light emitting diodes and a relay are provided for further investigations
- Components are mounted on sturdy molded bases and connections are made with reliable screw terminals
- An activity guide details the experiments

Topics covered include:

- Electrical circuitry
- Voltage
- Current
- Resistance
- Series and parallel connection

REQUIRES:

Three AA batteries

Cat. No.	Description	Price
S13065	Electricity and Magnetism Kit	80.00/Ea

Eisco Economy Electricity Kit

Ideal for introductory electronics. Eisco Economy Electricity Kit is a basic assortment of circuit components.



Ideal for introductory electronics

Cat. No.	Description	Price
S23691	Economy Electricity Kit	39.25/Ea

United Scientific™ Student Electricity Assortment



Conveniently assembles materials for investigation of electricity concepts.

INCLUDES:

Six round plastic bulb holders, three knife switches, six battery holders with Fahnestock clips, 10 Fahnestock clips, one wire stripper, three 18 in. (45.7cm) wires in assorted colors with alligator clips, three 18 in. (45.7cm) wires in assorted colors with banana clips, 100 ft. (31m) of insulated 22-gauge copper wire, 10 1.5V light bulbs



Cat. No.	Description	Price
S96416	Student Electricity Assortment	46.00/Ea

Electricity DiscoveryKit™

Excellent introduction to building simple circuits.

- Instructional guide introduces students to switches and conductive materials; circuit drawings; and parallel, series and testing circuits

INCLUDES:

Two battery holders, two bulb holders with bulbs, two switches, 10 wire connectors, instructional guide



Cat. No.	Description	Price
S94392	Electricity Kit	15.25/Ea

Snap Circuits Sets

Create exciting experiments.

Enjoy hours of educational fun while building projects such as AM radios, burglar alarms, flashlights, doorbells and electronic games. Project components feature easy-snap assembly with no tools required.



- Snap Circuits offers more than 300 project options
- Snap Circuits Jr. offers over 100 project options; requires two AA batteries (not included)

INCLUDES:

Instruction manuals

REQUIRES: 2-4 AA batteries.

Cat. No.	Description	Price
S66934	Snap Circuits™ 300 Experiment	95.00/Ea
S66934A	Snap Circuits™ Jr.™ 100 Experiment	48.75/Ea

Advanced Snap Circuits Kit

Advanced topics challenge knowledge and creativity.



More than 75 modular parts easily and safely build over 500 experiments. Designed for high school and vocational training, this advanced electronics kit explores the technology behind AM/FM radios, digital recording, seven-segment LED displays and more.

- Included student manual relates information about topics such as resistors, capacitors, transistors, motors, various types of circuits, diodes, relays and transformers
- Parts are stored in a lightweight, durable case with custom foam inserts
- Teaching guide prepares educators for proper instruction and includes quizzes

ORDERING INFORMATION:

Student and teaching guides help integrate more advanced topics in electronics. Optional computer interface takes learning to the next level with an additional 73 experiments.

REQUIRES:

Four AA batteries (S43921)

Cat. No.	Description	Price
S68213A	Snap Circuits™ Educational Series, 500 Experiments	198.00/Ea

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Be Prepared

Stay organized and efficiently respond to emergencies.

Description	Cat. No.	Price
LifeSecure™ MobileAid™ Pro 100 Easy-Roll™ First Aid Station	S29596	\$298.00
LifeSecure MobileAid Pro 200 Easy-Roll First Aid Station	S29597	\$368.00



Treat Wounds

Stock Compression bandages, gauze, and more to improve safety.

Description	Cat. No.	Price
LifeSecure MobileAid BleedStop First Aid Kit, Compact	S29600	\$70.00
LifeSecure MobileAid BleedStop First Aid Kit, Single	S29601	\$120.00
LifeSecure MobileAid BleedStop First Aid Kit, Double	S29602	\$276.00



218-Piece Kit

Maintain the supplies you need in the event of an emergency.

Description	Cat. No.	Price
LifeSecure MobileAid Reflex First Aid Backpack	S29610	\$385.00



Grab and Go

Find supplies for a command shelter or individual team members.

Description	Cat. No.	Price
LifeSecure MobileAid Easy-Roll Emergency Incident Station	S29608	\$800.00



Perfect for Any Project

Browse sturdy, moisture absorbent lab coats for your classroom.

Description	Cat. No.	Price
DRUniforms™ Kids Lab Coat, Size 7	S30777	\$13.00
DRUniforms Kids Lab Coat, Size 8/10	S30778	\$13.00
DRUniforms Kids Lab Coat, Size 12/14	S30779	\$13.00
DRUniforms Kids Lab Coat, Size 16/18	S30780	\$13.00

Fire, Emergency & First Aid

Fiberglass Fire Blanket in Packet

Lightweight and stored in a highly visible packet.

- Smother fires, wrap a burn victim or shield against encroaching flames
- Stored in a highly visible, red vinyl packet that opens easily
- Woven glass fiber material is totally safe to handlers
- Stitched with flame-proof thread



Cat. No.	Length (English)	Width (English)	Price
S47560A	4 ft.	4 ft.	96.00/Ea
S47560B	6 ft.	4 ft.	103.00/Ea
S47560C	6 ft.	6 ft.	130.00/Ea

12-Hour Light Stick

Provides instant bright green illumination for up to 12 hours

- Nontoxic, nonflammable, weatherproof
- Length: 6 in.
- Pack of 30
- Four-year shelf life



Cat. No.	Description	Price
S94730	12-Hour Light Stick	72.25/Cs

AED Plus™ Defibrillator Packages

Provides real CPR help for rate and depth of chest compressions

The AED Plus™ is the first and only full-rescue public access AED that provides Real CPR Help™ for rate and depth of chest compressions.

Real-time feedback helps rescuers provide the best manual CPR possible in a sudden cardiac arrest (SCA)



Cat. No.	Description	Price
Semi-Automatic		
S38747	ZOLL AED Plus with AED cover, PlusRX medical prescription, CPR-D-padz electrode, pack of 10 batteries, and carry case	1964.00/Ea
S38748	ZOLL AED Plus with AED cover, PlusTrac Professional5, CPR-D-padz electrode, pack of 10 batteries, and carry case	2550.00/Ea
Fully Automatic		
S38749	ZOLL fully automatic AED Plus with AED Cover, PlusRX medical prescription, CPR-D padz electrode, pack of 10 batteries, and carry case	1964.00/Ea
S38750	ZOLL fully automatic AED Plus with AED Cover, PlusTrac Professional1, CPR-D-padz electrode, pack of 10 batteries, and carry case	2210.00/Ea
S38751	ZOLL fully automatic AED Plus with AED cover, PlusTrac Professional5, CPR-D-padz electrode, pack of 10 batteries, and carry case	2550.00/Ea

Electrodes for AED Plus™ Defibrillators

For complete CPR and defibrillation delivery



Cat. No.	Shelf Life	Description	Price
S38752	5 Year(s)	CPR-D-padz™ Adult Electrode	226.00/Ea
S38753	2 Year(s)	Pedi-padz II Child Electrode	127.00/Ea

Bulk First Aid Kit

Designed for large facilities.



- Sufficient for 25 people
- Contain economical bulk supplies that can be readily accessed when needed
- Latex-free
- Supplies housed in waterproof metal case

ORDERING INFORMATION:

Rapid refill kits available separately. For complete lists of kit contents, visit www.fisheredu.com.

COMPLIANCE:

ANSI™ Z308.1-2003 compliant.

Cat. No.	Description	Price
S98414B	First Aid Kit	78.00/Ea



HEADLINE DISCOVERIES: SCIENCE HAPPENS

Keep informed and check out the latest edition at fisheredu.com/headlinediscoveries.



EVAC+CHAIR™ Evacuation Solutions

EVAC+CHAIR delivers universal evacuation solutions for emergencies such as fires, floods, earthquakes, power outages and more. These innovative, high-performance products are easily operated by a single person. From simple transit to stairway ascent and descent, there is an EVAC+CHAIR product for any situation.



CHAIRS

Quickly and easily deployed for emergency evacuation. Fold and store conveniently.

- Lightweight construction
- Heavy-duty wheels
- Wall mounting bracket
- Lifetime warranty

Model 200H/CarryLite Transit Chair (S72763)

For transport on flat or uneven terrain (not stairs).

- Integrated handles
- Unique locking system
- Adjustable patient straps
- Footrest
- Weight capacity: 440 lb.

Model 300H MK4 Evacuation Stair Chair (S72764)

For transport up or down stairways.

- Weight capacity: 400 lb.
- Adjustable patient head restraint
- Friction tracks
- Ergonomic adjustable handle
- Quick-release safety belts (Head, chest, thigh)
- Reflective decals
- Lockable rear wheels
- Dual-position seating
- Vinyl storage cover
- Instructional DVD and user guide

SLEDS, MATS AND SHEETS

Vital aids for evacuating non-ambulatory patients during emergencies.

ResQpod (S72777) and ResQmat (S72773)

- Long pulling straps
- Secure body protection
- Heavy-duty hook-and-loop
- Impact-absorbing pillow
- Glideable plastic board
- Adjustable straps
- Weight capacity: 660 lb.
- ResQpod can be used in office buildings, theaters, schools and many other facilities
- ResQmat fits permanently and unobtrusively under mattress and does not interfere with bed making; patient is rescued with their own mattress

Rescue Sheet (S72774) and Bariatric Rescue Sheet (S72775)

Located permanently and unobtrusively under patient's mattress; does not interfere with bed making. Patient is rescued with their own mattress.

- Long pulling straps
- Strong, easy-slide material
- Rubber side panels
- Reinforced cross straps with press stud
- Installation label
- Plastic strap buckles with press studs
- Weight capacity: 660 lb.

STORAGE

Metal Storage Cabinets (Small S72771, and Large S72772)

- 20 gage galvanized steel
- Wide manual door
- Non-locking paddle handle

Evacuation Stand (S72778)

- Self-standing support for Evac+Chair
- Avoids need for wall mounting brackets

ACCESSORIES

EVAC+ALARM (S72770)

- Battery-operated siren emits audible alarm sound when EVAC+CHAIR is detached from its housing

Comfy Seat (S72768)

- Designed for EVAC+CHAIR rescue chair and stairway chair frames
- Clips to seat frame for additional comfort and support
- Can be used long-term in a non-emergency setting
- Can be purchased as retrofit

Transporter (S72769)

- Portable transfer device for lifting incapacitated persons from a wheelchair into or out of an EVAC+CHAIR where self-transfer is difficult

Cat. No.	Description	Price	Cat. No.	Description	Price	Cat. No.	Description	Price
S72763	Model 200H/CarryLite Transit Chair	676.50/Ea	S72776	ResQme	364.00/Ea	S72778	Evacuation Stand	155.25/Ea
S72764	Model 300H MK4 Evacuation Stair Chair	1558.00/Ea	S72777	ResQpod	364.00/Ea	S72768	Comfy Seat	259.50/Ea
S72765	Model 500H Two Person Operation Enhanced Evac+Chair	2290.00/Ea	S72773	ResQmat	516.00/Ea	S72769	Transporter	259.50/Ea
S72766	Model 600H Dual Position Evacuation Chair	1870.00/Ea	S72774	Rescue Sheet	259.50/Ea	S72771	Metal Storage Cabinet (Small)	516.00/Ea
S72767	Model 700H/IBEX Emergency Evacuation Chair	2350.00/Ea	S72775	Bariatric Rescue Sheet	416.00/Ea	S72772	Metal Storage Cabinet (Large)	573.00/Ea
			S72770	EVAC+ALARM	114.50/Ea			

Read About Eye Protection

The Fisher Science Education brand offers a full line of goggles and spectacles that meet OSHA standards for eye protection. The information provided below will help you choose the eye protection that is best suited to your application. For additional information and assistance in selecting eye protection, contact Fisher Science Education customer service at 1-800-955-1177.



OSHA requires that eye and face protective devices meet ANSI™ standard Z87.1-1989 for Occupational and Educational Eye and Face Protection.



To comply with OSHA regulations, eye protection equipment must:

- Provide adequate protection against the hazards for which it is designed
- Be reasonably comfortable under the conditions of use
- Fit securely without interfering with vision or movement
- Be durable
- Be kept clean and in good repair

Standards for Eye and Face Protective Equipment ANSI standard Z87.1-1989 details strict requirements for impact and penetration resistance. Rigorous testing includes a high-mass impact test and high-velocity impact test for spectacles, goggles, and faceshields. All protective spectacles and goggles in this section meet this standard. ANSI Z87.1-1989 also emphasizes that



protective eye devices do not provide complete protection and should not be used as substitutes for protective measures such as mechanical hoods and operational controls.

Protective Spectacles

Use these glasses for impact protection against flying particles. Protective spectacles feature plastic, nylon, graphite, or metal frames



and removable, vented, or solid sideshields for added protection from dust or particles. Solid sideshields are recommended when working with potentially infectious materials. All protective spectacles have strong polycarbonate lenses that provide impact resistance and durability, as well as protection from ultraviolet (UV) radiation. Because pits or scratches in lenses may affect impact resistance, lenses should be inspected regularly and replaced if lenses are damaged.

Impact Goggles

These goggles provide more peripheral protection from flying particles than protective spectacles. Perforations in goggle frames provide airflow for comfort and help prevent fogging. Some lenses also feature an antifog coating. Many goggles are designed to fit over prescription eyewear and some will accommodate extra-large eyeglass frames.

Chemical Splash Goggles

Using indirect vents, these goggles protect against splashes of hazardous chemicals or potentially infectious materials. A labyrinth ventilation system rejects contaminants and



provides excellent splash protection. Strong polycarbonate lenses provide durability, clarity of vision, and UV protection. Faceshields feature acetate, propionate, or polycarbonate windows for full facial protection against sparks, splashes, and splatter. Polycarbonate windows also provide UV protection, while some specially treated or coated windows offer heat reflection or protection from infrared radiation (IR). Faceshields are secondary protection and must be worn with protective spectacles or goggles.

ANSI Z87.1-2003 is a voluntary upgrade to the current standard that divides impact resistance into categories of basic or high. Many manufacturers have embraced the upgrade and, when necessary, modified popular models to meet these standards.

Personal Protective Equipment

Glasses, Goggles & Faceshields

fisherbrand 200 Series Safety Glasses

Economical, lightweight protection.



- One-piece lens provides a full and unobstructed field of vision
- Absorb >99.9% of harmful UV light
- Molded-in sideshields and browguards
- Adjustable spatula temples
- Pack of 12

COMPLIANCE:

Meet ANSI™ Z87.1-2003 standards.

CERTIFICATIONS: CSA-approved.

Cat. No.	Description	Price
S01822	Black	44.00/Pk
S01821	Blue	44.00/Pk

fisherbrand Racer Series Qualifier Eyewear

- Scratch-resistant, clear polycarbonate lenses block >99.9% of harmful UV radiation
- Wraparound design offers superior side coverage
- Lightweight frames are durable and comfortable
- Flared single-lens design provides sleek protection
- A soft nose bridge and soft, bayonet-style side arms grip the face and temples lightly but firmly for a comfortable fit
- Choose from black or red nylon frames
- Pack of 12



Cat. No.	Description	Price
S98420	Racewear Eyewear	87.00/Pk

fisherbrand Visitorspec Safety Glasses

Ideal for protecting visitors in industrial or medical settings.



Economical safety spectacles available with coated or uncoated lens.

Uncoated Lens

- 100% impact-resistant polycarbonate wraparound unilens design with blue temples
- Clear lens absorbs >99.9% of harmful UV light

Coated Lens

- 100% impact-resistant lens absorbs >99.9% of harmful UV light
- Polycarbonate wraparound style with molded-in browguard and single lens
- Coated to resist scratching, fogging and static
- Adjustable-length spatula temples ensure a secure, comfortable fit
- Pack of 12

COMPLIANCE: Meet ANSI™ Z87.1-2003 standards.

Cat. No.	Description	Price
S01819	Scratch-Resistant, Anti-Fog, Anti-Static	45.00/Pk
S01820	Uncoated	30.00/Pk

Eisco Clear Vented Safety Glasses



Fit over most prescription lenses and have vents to prevent fogging

- Made of light weight polycarbonate and impact resistant lenses with UV protection
- CE marked, conforms to ANSI Z87.1 2010 sideshield protection.
- Made of durable polycarbonate



WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S41140	Clear Safety Glasses	5.75/Ea

Guest-Gard™ Glasses

Lightweight, comfortable glasses can be worn over prescription glasses.

- Universal fit nose bridge
- Fixed sideshields
- Frosted browguard
- 146mm temples
- Clear lens tint
- Pack of 24



COMPLIANCE: Meet ANSI™ impact standards.

Cat. No.	Description	Price
S47602GG	Guest-Gard Glasses	89.00/Pk

fisherbrand Economy Chemical-Resistant Goggles

Affordable chemical-resistant goggles.

- Clear polycarbonate lens
- Soft, flexible PVC body molds to facial contours for a comfortable fit
- Adjustable headstrap ensures custom fit
- Resist a broad range of chemicals
- Circular vents allow air to flow freely through goggle body



COMPLIANCE:

Meet ANSI™ Z87.1-2003

Cat. No.	Description	Price
S68660A	Chemical Splash Goggles	5.00/Ea

fisherbrand Impact Goggles

Lens coated to minimize scratching and fogging.

- Built for comfortable protection with a soft, flexible PVC body that conforms to facial contours
- Large frames fit over most prescription eyewear
- Coated, clear polycarbonate lens resists impact, scratching and fogging
- Headstrap easily adjusts for a custom fit
- Protect eyes from dust, mist and other airborne particles
- perforations on goggle top and sides provide direct ventilation

COMPLIANCE:

Meet ANSI™ Z87.1-2003 and CSA standards.

Cat. No.	Description	Price
S01823	Impact Goggles	10.00/Ea

Contoured Chemical Goggles

Superior design offers improved optics, comfort, affordability and convenience.

- Curved lens provides distortion-free optics with a full 160° field of vision
- Comfortable soft vinyl frame fits over most glasses
- Integrated side vents are designed for optimal air passage
- Quick-draw strap can be adjusted in seconds



COMPLIANCE:

SEI certified to ANSI™ Z87.1-2003
High Impact and CSA Z94.3-2007.

Cat. No.	Description	Price
S47628	Uncoated	3.80/Ea
S47629	Anti-Fog	15.75/Ea

fisherbrand Economy Impact Goggles

Affordable impact goggles.

- Clear polycarbonate lens
- Soft, flexible PVC body molds to facial contours for a comfortable fit
- Adjustable headstrap ensures custom fit
- Shield eyes from dust, mist and other airborne particles
- Direct vents on goggle top and sides

COMPLIANCE:

Meet ANSI™ Z87.1-2003 and CSA standards.

Cat. No.	Description	Price
S01824	Economy Impact Goggles	6.00/Ea

fisherbrand Chemical Splash Goggles

Lens coated to minimize scratching and fogging.

- Built for comfortable protection with a soft, flexible PVC body that conforms to facial contours
- Large frames fit over most prescription eyewear
- Coated, clear polycarbonate lens resists impact, scratching and fogging
- Headstrap easily adjusts for a custom fit
- Resist a wide range of chemicals and feature indirect ventilation to direct airflow over the lens



COMPLIANCE:

Meet ANSI™ Z87.1-2003

Cat. No.	Description	Price
S01817	Chemical Splash Goggles	9.00/Ea



FISHER SCIENCE EDUCATION:
MAKING SCIENCE MATTER

Visit us online at fisheredu.com to learn more about our programs, services and resources.

fisherbrand V-Maxx™ Chemical Splash and Impact Goggles

Comfortable fit ensures protection — even for contact wearers.

Offer protection against impact, dust, mist and chemical splash.



- FogBan™ lens coating
- Wraparound design provides maximum coverage and 180° field of vision
- Soft rubber construction ensures secure, comfortable fit
- Large enough to be worn over prescription glasses
- Neoprene headband

COMPLIANCE:

Meet ANSI™ Z87.1-2003 and CSA™ Z94.3 standards.

Cat. No.	Description	Price
S68660	Chemical Splash and Impact Goggle	19.25/Ea

Stealth™ Goggle

Chemical splash goggles offer comfort and protection with a close fit for superior optics

- Uvextreme™ AF anti-fog lens coating
- Durable polypropylene frame
- Soft flexible elastomer seals comfortably to facial contours
- Unique system makes lens replacement a snap
- Improved indirect ventilation system also reduces fogging
- Gray body
- Neoprene band



COMPLIANCE: Meets ANSI Z87.1-2010 standards.

Cat. No.	Description	Price
S47614	Stealth Goggles	35.50/Ea

Eisco Adjustable Clear Vented Safety Goggles



Adjustable Clear Safety Goggles are designed to protect eyes from chemical splashes and dust.

- Fit over most prescription lenses
- Includes side vents to prevent lenses from fogging up
- Features black adjustable strap to fit most



WARRANTY: 1 year limited manufacturer warranty

Cat. No.	Description	Price
S41141	Adjustable Clear Safety Goggles	5.75/Ea

Eisco Adjustable Green Safety Goggles



Adjustable Green Safety Goggles are designed to protect eyes from chemical splash and dust.



- Fit over most prescription lenses
- Indirect vents prevent fogging
- General purpose
- Includes adjustable elastic strap

WARRANTY: 1 year limited manufacturer warranty

Cat. No.	Description	Price
S88323	Adjustable Green Safety Goggles, Indirect Vent	3.60/Ea

Goggles

Designed to protect eyes from flying particles or liquids.

- Offer complete protection from glaring overhead light
- Lenses are one-piece, impact-resistant plastic with a down-angle vision



COMPLIANCE:

Meet ANSI™ Z87.1-2003 (Z87+ High Impact).

Cat. No.	Description	Price
S47619S	Full Vision Goggle	8.95/Ea

Standard Goggles

Protective goggles with perforated styling for maximum ventilation.



- Made of PVC for comfortable fit over prescription eyewear
- Polycarbonate lens filters 99.9% of harmful UV rays
- Latex-free elastic strap
- Duramass™ scratch-resistant coating
- Size: small

Cat. No.	Description	Price
S14246	Standard Goggles	3.00/Ea

Standard Size Chemical Goggles

Soft vinyl goggle frame conforms to facial contours for a secure fit.

- Fog-free coated lens and four indirect vents minimize fogging
- Fit comfortably over most prescription eyewear
- Fit most adults and high school students

COMPLIANCE:

Meet ANSI™ Z87.1 standards.



Cat. No.	Description	Price
S63095	Chemical Goggles	13.25/Ea

Colored Safety Goggles

Can be used any time students need reliable eye protection.

- Sized just right for students and adjustable for adults
- Set of six pairs of goggles in three bright, translucent colors (red, blue and green)



ORDERING INFORMATION:

Grades K+.

COMPLIANCE:

Meet ANSI™ Z87.1 safety standards.

Cat. No.	Description	Price
S90821	Colored Safety Goggles	37.00/Pk

SP Scienceware™ Large Weighted Safety Shields

Transparent shield provides high-impact resistance.

- Laboratory workers are protected by a 0.188 in. (4.7mm) thick clear, polycarbonate barrier
- Stable three-sided construction provides front and side protection against flying debris
- Heavy steel perimeter base is coated with blue epoxy
- Plated steel bolts, nuts and washers used for assembly
- Outside base measures 19.5 in. (50cm) and 6.5 in. (17cm) front to back
- Shields meet High Mass Impact Test and High Velocity Impact Test as defined by ANSI Z87.1, sections 9.11 and 9.12, respectively



Cat. No.	Height (English)	Height (Metric)	Weight (English)	Weight (Metric)	Price
S51222	30 in.	76cm	18.5 lb.	8.4kg	661.00/Ea
S51223	36 in.	91cm	19.6 lb.	8.9kg	563.00/Ea

Hand Protection

fisherbrand Powder-Free Nitrile Exam Gloves

Choose a latex-free glove with exceptional durability and puncture resistance. Fisherbrand™ Powder-Free Nitrile Exam Gloves provide a superior fit, comfort, tactile sensitivity and dexterity.

- Provide superior fit, comfort, tactile sensitivity and dexterity
- Contains no latex proteins that can cause allergic reactions
- Textured surface for solid grip in wet or dry conditions
- 3.5mil thick at palm, 4.7mil at fingertip
- Pack of 100



Cat. No.	Description	Price
S7958XS	X-Small	34.25/Pk
S79585M	Medium	34.25/Pk
S79585L	Large	34.25/Pk
S79585XL	X-Large	34.25/Pk
S79585XXL	2X-Large	34.25/Pk

Purple Nitrile™ Exam Gloves

Offer the best barrier protection against a broad range of chemicals.

- Textured fingertips enhance grip while providing excellent tactile sensitivity
- Latex-free and powder-free
- Low levels of chemical allergens reduce potential for irritation and Type IV hypersensitivity
- Length: 9.5 in. (24.1cm)
- Thickness: 5.9mil
- Pack of 100 (except S78946)



COMPLIANCE:

Made in accordance with ISO 9002. Meet FDA requirements and quality standards for a Class 1 medical device. Meet or exceed ASTM™ D3578 standard. AQL 1.5.

CERTIFICATIONS:

510K approved for medical use

Cat. No.	Size	Price
S78942	X-Small	26.25/Pk
S78943	Small	26.25/Pk
S78944	Medium	26.25/Pk
S78945	Large	26.25/Pk
S78946	X-Large	26.25/Pk

Microflex™ XCEED™ Ergonomic Nitrile Exam Gloves

Utilize breakthrough polymer technology and manufacturing process to offer a soft and comfortable nitrile glove. Rival the fit of latex while providing up to 60% more strength.

- Lightweight and comfortable with less than 3 mil palm thickness
- Reduce hand fatigue and help workers be more productive while exerting less muscle effort
- Contains no natural rubber latex or powder to help protect wearers from skin allergies, irritation, and dryness
- Beaded cuff
- Textured fingers
- Pack of 250



COMPLIANCE:

MDD 93/42/EEC; PPED 89/686/EEC CATEGORY III; COMPLEX DESIGN; EN 455 1, 2, AND 3; EN374-3; EN374-2 LEVEL 3 AQL.65; ASTM D6319; EN420; REACH COMPLIANT; TGA; US QSR/FDA 510(K)

Cat. No.	Description	Price
S28982	Small	50.50/Pk
S28983	Medium	50.50/Pk
S28984	Large	50.50/Pk
S28985	X-Large	50.50/Pk

fisherbrand Powder-Free Nitrile Exam Gloves with Aloe

Help moisturize and soothe dry, chapped hands. Fisherbrand™ Powder-Free Nitrile Exam Gloves with Aloe are the perfect choice for situations that require gloves for an extended period of time.

Offer superior puncture and chemical resistance.

- Unique, 100% latex-free, odor-free synthetic formulation reduces hand fatigue
- Textured surface for superior grip
- Nonsterile, ambidextrous
- Length: 9.5 in. (24.1cm)
- Thickness: 5.6mil
- Green
- Pack of 100



CERTIFICATIONS:

510K approved for medical use

Cat. No.	Description	Price
S66382	Small	29.75/Pk
S66383	Medium	29.75/Pk
S66384	Large	29.75/Pk
S66385	X-Large	29.75/Pk

Microflex™ MidKnight™ Black Nitrile Exam Gloves

Hide stains and provide a contrasting backdrop for identifying lighter colored material with a distinct black color. Microflex™ MidKnight™ Black Nitrile Exam Gloves offer a high tensile strength compared to both ASTM D6319 and EN455 standards, allowing the hands to move freely and comfortably.

- Fully textured design and non-foaming formula enable wearers to have a firm wet grip when handling objects
- Contain no natural rubber latex and are powder-free to help protect wearers from Type I skin allergies, skin irritation, and dryness
- Recommended for use in environments that demand firm grip and reliability, and where precise contact requires enhanced tactile sensitivity
- Single use only
- Ambidextrous
- Beaded cuff, standard examination length
- Pack of 100



COMPLIANCE:

MDD 93/42/EEC; PPED 89/686/EEC CATEGORY III; COMPLEX DESIGN; EN 455 1, 2, AND 3; EN374-3; EN374-2 LEVEL 2 AQL 1.5; ASTM D6319; EN420; REACH COMPLIANT; TGA; US QSR/FDA 510(K)

Cat. No.	Description	Price
S28986	X-Small	22.25/Pk
S28987	Small	22.25/Pk
S28988	Medium	22.25/Pk
S28990	X-Large	22.25/Pk

Microflex™ Supreno™ SE Heavy-Duty Nitrile Exam Gloves

Emphasize strength and protection for work in environments that demand consistent grip and reliability.

- Offer advanced barrier protection against contaminants due to lower acceptable pinhole rates; 0.65 Acceptance Quality Limit for pinholes
- Non-stick properties create a resistance to tape or adhesives to increase speed and efficiency
- Textured fingers ensure strong, efficient grip and maximize protection
- Polymer coating for easy donning and doffing
- Constructed without natural rubber latex or powder to help protect from allergies, skin irritation, and dryness
- Pack of 100



Cat. No.	Description	Price
S28996	X-Small	27.50/Pk
S28992	Small	27.50/Pk
S28993	Medium	27.50/Pk
S28994	X-Large	27.50/Pk

fisherbrand Powder-Free Vinyl Exam Gloves

All gloves are 100% air tested.

Flexible, durable and comfortable.

- Soft modulus vinyl promotes greater comfort to user and patient
- Beaded cuff provides more protection
- Provide low particulate and extractable levels tested in accordance with the Institute of Environmental Science
- Ambidextrous, nonsterile, single-use
- Length: 9.5 in. (24cm)
- Thickness: 5mil
- Color: white
- Pack of 100



COMPLIANCE:

Manufactured to 1.5 AQL with stringent quality controls for safe protection. Conform with Good Manufacturing Practice (GMP). 510K approved for medical use. Meet ASTM™ D3578 standards.

CERTIFICATIONS:

ISO 9002 certified.: 510K approved for medical use

Cat. No.	Description	Price
S04800	Small	22.50/PK
S04800A	Medium	22.50/Pk
S04800B	Large	22.50/Pk

Disposable Polyethylene Food Service Gloves

Resistant to most chemicals, reagents and acids.

For non-precision food preparation and service applications

- Made of polyethylene-blended film
- Extra-long cuffs
- Medium weight (1mil thickness)
- Tough and durable, premium-weight, soft embossed glove
- Easy-on and off for jobs requiring frequent changes
- Textured for enhanced grip and hand comfort
- Economical, lightweight
- Pack of 100



Cat. No.	Description	Price
S47328	Small	15.50/Pk
S47330	Medium	15.50/Pk
S47332	Large	15.50/Pk

SP Scienceware™ Autoclave Gloves

Excellent for handling hot objects out of the autoclave or oven.



- Heat-resistant up to 232°C (450°F)
- Replace asbestos gloves
- Terry cloth knit gloves
- Provide superior protection in the school laboratory
- Washable
- Bright orange color keeps gloves visible

CERTIFICATIONS:

CE marked.

⚠ ALERTS:

Product is not waterproof and should not be used to handle dry ice.

Cat. No.	Length (English)	Length (Metric)	Price
S47334	13 in.	33cm	40.75/Pr
S473341	18.5 in.	47cm	54.75/Pr

SP Scienceware™ Hot-Hand™ Protector Glove/Mitt

Mitt protects hands when handling extremely hot or cold objects, including dry ice

- Use for handling hot and cold objects from -57°C (-70°F) to 260°C (500°F)
- Soft and compliant silicone rubber naturally conforms to hand and object
- Gripping surfaces studded with small concave nubs for positive grip and additional protection against temperature extremes
- Easier and faster to use than gloves or tongs for many applications
- Tab with hole for hanging hand protector near work station
- One size fits all hands, left or right 10 × 19cm (3.875 × 7.5 in.)



Cat. No.	Description	Price
S47371D	Original Red	32.25/Ea
S42988	Sky Blue	24.75/Ea
S42989	Lime Green	24.75/Ea

Tempshield™ Cryo-Gloves™

Hand and arm protection when working with liquid nitrogen.

Designed to provide a high level of thermal protection where the exposure to cryogenic fluids may exist.

- Waterproof
- Comfortable and lightweight with excellent dexterity
- Breathable, stay-dry lining
- Protection to -162°C

⚠ ALERTS:
 Not for immersion in liquid nitrogen or for use near open flame or in hazardous areas where ignition could occur.



Cat. No.	Description	Price
S98416B	Medium	223.00/Pr
S98416C	X-Large	297.50/Pr

Aprons & Lab Coats

Fisher Scientific™ PVC Aprons

Reusable blue PVC apron with cotton ties at the waist and neck.



Cat. No.	Description	Price
S47381A	Small	9.70/Ea
S47382A	Medium	13.00/Ea

Fisher Science Education™ PVC Apron of the Elements

Displays current periodic table with properties of 114 elements.

- Reusable
- Blue
- Made of PVC (polyvinyl chloride)
- Cotton ties at the waist and neck



Cat. No.	Description	Price
S32134A	Small	11.25/Ea
S32135A	Medium	11.25/Ea

Fisher Scientific™ Transparent PVC Aprons

Reusable transparent PVC apron with cotton ties at the waist and neck.



Cat. No.	Dimensions (L x W)	Price
S475652A	42 x 27 in. (106.7 x 68.6cm)	14.00/Ea
S475651A	36 x 27 in. (91.4 x 68.6cm)	9.90/Ea

fisherbrand Disposable Polyethylene Apron

Lightweight plastic apron is sturdy enough to be reused.

- Thickness: 1.0mil
- White
- Sold in handy dispenser pack
- Pack of 50



Cat. No.	Description	Price
S98418	Disposable Polyethylene Apron	21.75/Pk

Eisco Clear Vinyl Bib Apron

For labs, kitchens or shops.

- Transparent
- Protects clothes from acids and fluids



Cat. No.	Description	Price
S24921	Large; L x W: 45 x 36 in.	6.85/Ea
S24922	Medium; L x W: 36 x 27 in.	7.30/Ea

Eisco Rubber Apron Bib

For general lab work, kitchens, or shops.

- Comfortable and flexible
- Waterproof
- Resistant to most chemicals



Rubberized Cloth Apron

Provides basic protection from chemicals in laboratory or classroom settings. The Rubberized Cloth Apron is made of rubberized cloth and available in several sizes.

- Great for laboratory and classroom safety
- Material is rubberized and resistant to most common chemicals
- Cloth tie strings provide steadiness and flexibility
- Available in several sizes



⚠️ ALERTS:
Intended for ages 13 and up. May contain latex.

Cat. No.	Description	Dimensions (L × W)	Price
S24915	Small	30 × 24 in.	6.45/Ea
S24916	Medium	36 × 27 in.	7.85/Ea
S24914	Large	42 × 27 in.	11.75/Ea

Cat. No.	Dimensions (L × W)	Price
S13706	24 × 30 in.	6.15/Ea
S13707	27 × 36 in.	6.20/Ea
S13708	27 × 42 in.	6.95/Ea
S13710	36 × 46 in.	9.40/Ea
S13709	36 × 42 in.	8.70/Ea

Rubberized Chemical Resistant Aprons

Flexible and lightweight.

- Made of chemically resistant rubberized material
- Reinforced at points of strain
- Ties at waist and neck
- Latex-free
- Color: black



Tyvek™ Lab Coats

Disposable, yet strong enough to withstand several wearings.

- Lightweight and tear-resistant Tyvek fabric
- Knee-length with two pockets, a five-snap front and full sleeves
- Inherent barrier protection against dry particulate hazards
- Chemically and biologically inert
- Provide limited splash protection
- White



⚠️ ALERTS:
Garments made of Tyvek should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Cat. No.	Height (English)	Width (English)	Price
S475611A	36 in.	27 in.	13.25/Ea
S475611B	42 in.	27 in.	13.75/Ea
S475611C	46 in.	36 in.	13.50/Ea
S475611D	30 in.	24 in.	4.25/Ea
S475611E	42 in.	36 in.	10.50/Ea

Cat. No.	Size	Height (English)	Length (English) Sleeve	Size (English) Chest	Price
S475561	Small	5 to 5.07 ft.	30.5 in.	32.25 to 35.75 in.	10.00/Ea
S475562	Medium	5.03 to 5.07 ft.	32 in.	35.25 to 38.75 in.	10.00/Ea
S475563	Large	5.05 to 5.09 ft.	33 in.	38.25 to 41.75 in.	10.00/Ea
S475564	X-Large	5.08 to 6.02 ft.	34.5 in.	41.75 to 45.25 in.	10.00/Ea



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Eisco White Lab Coats

White Lab Coats with long sleeves feature concealed press stud fastenings, backvents, and three large pockets

- White, modern style lab coat
- Polyester/cotton twill

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Description	Price
S41146	Small	20.75/Ea
S41142	Medium	20.75/Ea
S41145	Large	20.75/Ea
S41147	X-Large	20.75/Ea

United Scientific™ Lab Coats

Well fitted and comfortable.

- Made of easy-care white cotton blend fabric (65% polyester, 35% cotton)
- Knee-length
- One upper left breast pocket and two roomy lower pockets
- With side slit openings and adjustable belt
- Button closure



Cat. No.	Description	Price
S04777	Medium	38.00/Ea
S04778	Large	38.00/Ea
S04779	X-Large	38.00/Ea
S04776	Small	38.00/Ea

Unisex Lab Coat

Features three patch pockets, two side slits and four buttons. Cool, comfortable and breathable throughout the day

- Unisex
- 60% Cotton, 40% Polyester blend - the higher cotton content makes the coat breathable, moisture absorbent, soft and comfortable
- Stays cool throughout the day
- Full-length (42 inches)



Cat. No.	Description	Price
S72134	2X-Small	27.50/Ea
S72135	X-Small	27.50/Ea
S72136	Small	27.50/Ea
S72137	Medium	27.50/Ea
S72138	Large	27.50/Ea
S72139	X-Large	27.50/Ea
S72140	2X-Large	21.75/Ea
S72141	3X-Large	21.75/Ea
S72142	4X-Large	25.00/Ea
S72143	5X-Large	25.25/Ea

Sanforized Cotton Unisex Lab Coat

Fine quality for hospital and lab use. Features three patch pockets and two convenient side slits to access pants pockets

- 100% Cotton
- Unisex
- Sturdy
- Moisture absorbent
- Ideal for chemistry students and doctors alike
- Full-length (42-inch)
- Soft and comfortable twill fabric



Cat. No.	Description	Price
S72144	X-Small	38.50/Ea
S72145	Small	38.50/Ea
S72146	Medium	38.50/Ea
S72147	Large	38.50/Ea
S72149	2X-Large	26.75/Ea
S72150	3X-Large	26.75/Ea

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Facilities

Eyewear Cleaning

Eyewear Cleaning Station

Disposable Cardboard Station

- Perfect for cleaning eyewear (glass or polycarbonate lenses) and computer screens
- 100 individually wrapped pre-moistened wipes feature anti-fog, anti-static, silicone-free cleaning
- Large 5 x 8 in. wipes are stored in a wall-mounted cardboard dispenser (box of 100)
- Dimensions: 4 3/4W x 9H x 2 5/8 in.D
- Pack of 100



Cat. No.	Description	Price
S47631	Disposable Eyewear Cleaning Station	8.00/Pk

Premoistened Lens Cleaning Towelettes

Fast and easy way to keep lenses clean.

- For use on glass, plastic or polycarbonate safety goggles, shields and computer screens
- Help reduce eyestrain caused by dirty eyewear
- Excellent cleaning without streaking
- Silicone-free, antistatic, antifog formula



ORDERING INFORMATION:

Individually foil wrapped. Packed in ready-to-use dispenser pack with built-in eye hook for easy wall hanging.

Cat. No.	Description	Price
S01814A	Premoistened Lens Cleaning Towelette	12.75/Pk

Eisco Goggle Sanitizer Cabinet

UV light kills the germs on goggles after laboratory use.

- Wall-mounted or bench top unit runs on 120VAC
- Heavy gauge CRC steel treated with white enamel finish
- Unit has doors and includes 15 minute timer with UV bulb
- UV light operates only when doors are closed
- Light leak avoided by tight fitting piano style hinges
- Sterilization process is indicated by indicator light
- Use to sanitize 35 pairs



Cat. No.	Description	Price
S07817	Goggle Sanitizer Cabinet	657.00/Ea

Economy Ultraviolet Goggle Sanitizers

Sanitize and store 30 to 40 goggles or safety glasses in the same cabinet.



- High-quality, 24-gauge, white baked enamel sheet metal
- 15-minute mechanical timer gives controlled treatment
- Two safety door switches, key lock and pilot light
- Long-life ultraviolet bulbs
- S47604B has a reflective aluminum interior

ORDERING INFORMATION:

Shipped assembled and ready for use. UL-approved. Electrical requirements: 110V 50/60Hz.

Cat. No.	Description	Price
S47604A	Goggle Sanitizer	697.00/Ea
S47604B	Goggle Sanitizer with Reflective Aluminum Interior	578.00/Ea

Eyewash Stations

Safety Shower Tester

Test overhead safety showers with this complete flow test kit.

- Provides minimum disruption to the educational environment

INCLUDES:

Three-piece PVC handle

- 11 in. dia. (27.9cm) support ring
- 83 in.L (211cm) nylon taffeta sleeve
- Polyethylene bucket with dust cover lid
- Test log



Cat. No.	Description	Price
S477041	Shower Tester With Bucket Kit	119.00/Ea

SP Scienceware™ Aero™ Emergency Eye Wash Station and Solution



SP Scienceware™ Aero™ Emergency Eye Wash Solution provides immediate first aid for the eyes. Effective in rinsing impurities and irritants from the eye and in preventing damage from acids and corrosive substances

FEATURES:

- Immediate response eye first aid for the laboratory, classroom, work site and public facilities
- pH neutralizing solution helps the eye return to a normal 7.4 pH level by quickly neutralizing corrosive chemicals
- Instant access to fast, safe, and effective first aid for eye injuries caused by foreign particles such as dirt and debris, chemicals and other environmental irritants
- All-in-one eye wash combines sterile saline with buffered, pH neutralizing solution to help relieve irritation, discomfort and minimize likelihood of permanent damage
- 4 year shelf life from date of manufacture
- Meets all FDA requirements for eye wash including buffered pH solution and preservative as per 21 CFR part 349
- Unique eye-opener allows used fluids and contaminants to flow away from the eye (16 oz. and 32 oz. bottles)
- Covered station keeps bottles clean throughout shelf life; carrying handle makes transport easy for field work; wall mountable, hardware included
- Smaller 5 oz. and 0.5 oz. sizes can be easily included in portable work stations or in pockets for high risk situations
- Quick twist top; easy-to-open and use
- Meets ANSI Z358.1-2009 (as a personal eye wash only)



⚠️ ALERTS:
These products are available only in the United States.

Cat. No.	Capacity (English)	Description	Price
S72484	2 × 16 oz.	Eyewash Station	60.50/Ea
S72480	5 × 0.5 oz.	Eyewash	10.25/Pk
S72481	3 × 5 oz.	Eyewash	43.50/Pk
S72482	3 × 16 oz.	Eyewash	39.75/Pk
S72483	3 × 32 oz.	Eyewash	56.50/Pk



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Diversified Woodcrafts™ Shower/Eyewash Station

Provides convenient storage for lab safety supplies.

- Emergency drench shower head
- High impact ABS plastic
- Chemical resistant earth friendly UV finish
- Stay open chrome-plated brass valve
- Eyewash unit: Stainless steel bowl (Dia.: 10 in.)
- Lever action ball valve on plastic laminate top
- Two adjustable shelves

COMPLIANCE:
SEFA

CERTIFICATIONS:
MAS Certified Green



Cat. No.	Description	Price
S38038	Shower Station	1723.00/Ea
S38039	Shower Station with Locks (for security or access for a wheelchair)	1892.00/Ea

Safety Cans

Nonmetallic Oval Type I Safety Cans for Flammables



30% more storage capacity than round shape models.

- Constructed of high-density polyethylene
- Trigger mechanism enables pouring of small quantities of liquid
- Leak-tight, self-closing cap prevents spillage and automatically vents to guard against explosion
- Dual-density flame arrester protects against external heat sources
- Current carrying carbon insert imbedded into can for proper grounding
- Nonmetallic, stainless-steel hardware
- Red



Cat. No.	Description	Price
S04768MF	1 Gal.	62.25/Ea
S04769MF	0.5 Gal.	57.00/Ea

Type I Steel Safety Cans

Heavy-duty 24-gauge premium coated steel cans with double seal seams

Premium steel construction with double seams to protect against leaks. Leak-tight, self-closing spout with built-in positive pressure relief mechanism automatically vents between 3 and 5 psig.

- Double lock seams protect against leaks
- Red for storage of flammables
- Includes swinging round handle

WARRANTY:

Ten years.

COMPLIANCE:

Meet OSHA and NFPA requirements and is CARB compliant.

CERTIFICATIONS:

UL and ULC listed. FM approved. TÜV certified



SP Scienceware™ Biohazard Disposal Can

Ideal for biological/biohazard materials, broken glass, recyclables or other waste.

Autoclave bags (19 × 23 in. [48.3 × 58.4cm]) fit perfectly over a stainless-steel internal wire frame to keep bags open for safe and easy access.

- Polypropylene construction
- Puncture resistant
- Bright red color for high visibility
- Autoclavable at 250°F (121°C)

Dimensions: 9 × 12 × 11.5 in. (22.5 × 30.5 × 29cm)



Cat. No.	Capacity (English)	Height (English)	Price
S42803	2.5 Gal.	11.5 in.	51.50/Ea
S42804	5 Gal.	16.87 in.	58.25/Ea

Cat. No.	Description	Price
S96727	Biohazard Disposal Can	72.25/Ea

Spill Control

Lab-Sized Spill Cleanup Kits

Contain, remove and tag spills fast.

Contains enough absorbent and neutralizing agent to safely clean up a 0.26 gal. (1L) spill.

INCLUDES:

Acid Spill Cleanup

One instruction sheet/SDS; two gloves; two 9 × 16 in. (22.9 × 40.6cm) polybags; two twist ties; two blank shipping tags; one dust pan and brush; one bag vermiculite absorbent; one bottle neutralizing mixture (Calcium Hydroxide, Sodium Carbonate, Calcium Carbonate and Litmus Powder).

Caustic Spill Cleanup

One instruction sheet/SDS; two gloves; two 9 × 16 in. (22.9 × 40.6cm) polybags; two twist ties; two blank shipping tags; one dust pan and brush; one bag vermiculite absorbent; one bottle neutralizing mixture (Citric Acid Anhydrous and Litmus Powder).

Solvent Spill Kit

One instruction sheet/SDS; two gloves; two 9 × 16 in. (22.9 × 40.6cm) polybags; two twist ties; two blank shipping tags; one dust pan and brush; one bag diatomaceous earth.



Cat. No.	Description	Price
S80201A*	Acid Spill Kit	59.25/Ea
S80201C*	Solvent Spill Kit	52.75/Ea
S80201B*	Caustic Spill Kit	59.25/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Universal Mini Chemical Spill Kit

Be prepared for spills in your lab. Universal sorbent eliminates guesswork — safe for use on all chemicals except hydrofluoric acid.

Kit contains enough material to absorb 1L of solvent.

Includes:

- 1 1kg Universal sorbent
- 1 pair of Nitrile gloves
- 1 pair of splash resistant goggles
- 1 dustpan and brush set
- 2 Poly bags 9 × 16 in.
- 2 twist ties
- 2 blank tags
- Instruction sheets
- SDS



⚠️ ALERTS:

Not for use on hydrofluoric acid.



* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Cat. No.	Description	Price
S28619*	Mini Chemical Spill Kit	20.75/Ea

Storage Cabinets

Sure-Grip™ EX Countertop Safety Cabinets for Flammables

For storing small quantities of flammable liquids at the work station or adding existing storage cabinets



Countertop Cabinet

- One-door cabinet holds 15L (4 gal.) of flammables
- One adjustable shelf
- Allows increased access to often-used liquids without compromising safety
- Portable size keeps work areas flexible
- Optional wall hanger assembly for wall mounting

Undercounter/Stand-Alone Cabinet

- One-door cabinet stores up to 45.5L (12 gal.) of flammables
- One adjustable SpillSlope™ safety shelf directs spills to back and bottom of leakproof sump
- Fits neatly under counter or stands alone
- Lettering on door reads: "FLAMMABLE-KEEP FIRE AWAY"
- High-visibility Haz-Alert™ reflective warning labels provide added safety during power outages or fires
- Finished inside and out with a durable lead-free hybrid epoxy and polyester powder paint for chemical resistance
- With one adjustable shelf
- Sure-Grip U-Loc™ flush handle comes with two keys or accepts padlock (not included) for extra security
- Meets NPFA and OSHA requirements



CERTIFICATIONS:

FM approved.
 Self-closing models
 UL listed

INCLUDES:

Optional wall hanger assembly for wall mounting; One adjustable shelf. Sure-Grip™ U-Loc™ flush handle comes with two keys or accepts padlock (not included) for extra security.

Cat. No.	Description	Capacity (English)	Door Style	Price
S04772MF	Countertop Safety Cabinet	4 Gal.	Manual Close	474.00/Ea
S04773MF	Countertop Safety Cabinet	4 Gal.	Self Closing	562.00/Ea
S98409MF	Storage Cabinet	12 Gal.	Manual Close	949.00/Ea

COMPLIANCE:

Meet NFPA and OSHA requirements. Self-closing models comply with Uniform Fire Code

Sure-Grip™ EX Flammables Safety Can Storage Cabinet With Handles

Keep dangerous liquids safely organized and segregated. Sure-Grip™ EX Flammables Safety Can Storage Cabinets with Handles feature flush mounted handles, two keys for security and have the ability to be padlocked. Dual vents with flame arresters allow hazardous vapors to be piped away.

- Sure-Grip EX flush-mounted door handle does not interfere with traffic, comes with two keys for security and can be padlocked (padlock not included)
- Exclusive self-latching feature ensures that cabinet doors are safely closed without manually engaging door handle
- Double-wall construction provides 1.5 in. (3.8cm) of insulating air space to help prevent spread of flames
- High-visibility Haz-Alert™ reflective warning labels offer added safety during power outages or fires
- Dual vents with flame arresters at top and opposite bottom allow hazardous vapors to be piped away
- Easy-closing, self-latching doors facilitate fire protection of the cabinet
- Fusible links hold self-closing doors wide open, flush with front of cabinet for easy access and resupply; automatically release and slam doors shut at 74°C (165°F)
- Concealed self-close mechanism provides optimum storage space and obstruction-free access to contents
- Two-door models hinged left and right have self-closing mechanism that ensures proper closing sequence regardless of which door is released first
- SpillSlope™ safety shelves direct incidental spills to the back and bottom of leakproof sump
- Adjustable leveling feet ensure solid positioning and alignment for tight door closure
- Exterior side panel has built-in grounding connector for easy grounding
- Finished inside and out with durable lead-free powder paint
- Meet OSHA and NFPA requirements
- 14.56 × 39.5 × 39.62 in. (37 × 100.3 × 100.6cm)
- 1 shelf



Cat. No.	Description	Price
S28708	Safety Can Storage Cabinet with Handles	1192.00/Ea

Wood Laminate Storage Cabinets for Corrosives and Acids

Suitable for storing highly corrosive liquids such as phenol, nitric acid and sulfuric acid.

- Long-lasting wood construction provides exceptional strength
 - Stainless-steel handles and hinges resist corrosion from harsh acids
 - Shelves adjust on 32mm centers to accommodate wide variety of containers
 - Sturdy clip system adjusts shelves if required
 - Two doors
 - Color: blue
- Countertop Model**
- Ideal for smaller quantities used at workbench level
 - No shelves
- Undercounter Model**
- Can be used freestanding
 - One adjustable shelf
 - With removable, easy-to-clean polyethylene work surface top recessed 16mm to help contain incidental leaks



INCLUDES:

Adjustable leg levelers, patent pending Haz-Alert™ reflective labels and double key set for safety and security

Cat. No.	Capacity	Dimensions (D × W × H) Interior	Description	No. of Shelves	Price
S04764MF	6 × 2.5L bottles	15.28 × 22.48 × 19.44 in. (38.8 × 57.1 × 49.4cm)	Countertop Storage Cabinet	0	517.00/Ea
S04765MF	36 × 2.5L bottles	20.85 × 34.4 × 29.49 in. (53 × 87.6 × 74.9cm)	Undercounter Storage Cabinet	1	1199.00/Ea

Justrite™ Sure-Grip™ EX™ Flammable Storage Cabinets with Handles



Nonslip gripper allows fingertip opening.

- Sure-Grip EX flush-mounted door handle with two keys for security
- Handle can be padlocked (padlock not included), no interference with traffic
- Exclusive self-latching feature ensures safe closing of cabinet doors without manually engaging door handle
- Double-wall construction provides 1.5 in. (3.8cm) of insulating air space to help prevent spread of flames
- High-visibility Haz-Alert™ reflective warning labels offer added safety during power outages or fires
- Dual vents with flame arresters at top and opposite bottom allow hazardous vapors to be piped away
- Easy-closing, self-latching doors facilitate fire protection of the cabinet
- Self-latch engages critical three-point latching system for protection under fire conditions
- Two-door models hinged left and right with self-closing mechanism ensures proper closing sequence
- Fusible links hold self-closing doors wide open, flush with front of cabinet for easy access and resupply; automatically release and slam doors shut at 165°F (74°C)
- Concealed self-close mechanism provides optimum storage space and obstruction-free access to contents
- SpillSlope™ safety shelves direct incidental spills to the back and bottom of leakproof sump
- Adjustable leveling feet ensure solid positioning and alignment for tight door closure
- Exterior side panel has built-in grounding connector for easy grounding
- Finished inside and out with durable lead-free powder paint
- Meet OSHA and NFPA requirements
- Color: Yellow



WARRANTY:

10 years

COMPLIANCE:

Meet NFPA Code 30 and OSHA regulations; models with self-close doors also comply with the International Fire Code and NFPA1, FIRE CODE™.

CERTIFICATIONS:

FM-approved

Cat. No.	Capacity	Door Style	No. of Doors	No. of Shelves	Price
S04760MF	30 gal.	Manual-Close	2	1	816.00/Ea
S04761MF	45 gal.	Manual-Close	2	2	1029.00/Ea
S04762MF	45 gal.	Self-Closing	1	2	1697.00/Ea
S04763MF	45 gal.	Self-Closing	2	2	1144.00/Ea

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Sure-Grip™ EX™ Blue Steel Safety Cabinets for Corrosives



Epoxy baked-on powder coat finish provides increased chemical resistance and resists solvents used in labs.

- Double-wall construction, dual vents, grounding wire connections, adjustable shelves, leakproof sills, three-point self-latching doors and leveling feet
- Self-close door shuts and latches automatically when fusible link melts at 74°C (165°F) under fire conditions
- Unique, concealed self-closing mechanism offers obstruction-free access to contents
- Opens to full 180 degrees and self-latches when pushed closed
- Includes polyethylene trays attached to galvanized steel shelves, separate polyethylene liner for bottom sump resist aggressive chemicals, extra polyethylene work tray that can be secured to cabinet top for handy work surface
- Easily remove liner for quick cleaning of drips and leaks
- All epoxy baked-on powder-coat finish, inside and out, provides increased chemical resistance



INCLUDES:

Polyethylene trays, Polyethylene liner, Extra polyethylene work tray

WARRANTY: 10 years

COMPLIANCE:

Meet NFPA Code 30 and comply with OSHA regulations. Self-closing models meet NFPA 1, IFC regulations.

CERTIFICATIONS: FM approved

Cat. No.	Capacity (English)	Door Type	No. of Doors	No. of Shelves	Price
S15221MF	4 gal.	Manual	1	1	546.00/Ea
S15218MF	30 gal.	Manual Closing Door	2	1	954.00/Ea
S15219MF	30 gal.	Self-Closing Door	2	1	1132.00/Ea

Benchtop Acid Cabinet

Designed for labs with small quantities of acid.

- Holds up to sixteen 500mL or five 2.5L bottles
- All-wood construction with liquid-tight spill containment trough
- Polypropylene padlock assembly will not corrode
- Outside dimensions: 15.75D × 16.75W × 21.25 in.H (40.0 × 42.5 × 54.0cm)



Cat. No.	Description	Price
S51071	Benchtop Acid Cabinet	759.00/Ea

Acid Cabinets

Polypropylene lock assembly, padlock with two keys.

- Constructed of 1 in. (2.5cm) thick plywood with acid-resistant epoxy paint
- Wooden dowel hinge assembly eliminates the problem of hinge deterioration
- Single fixed shelf is positioned for storage of large 4L bottles on top shelf and 2.5L bottles on bottom shelf
- Recessed top with polypropylene tray, holds 12L of spilled liquid
- Floor includes 2 in. (5.1cm) liquid-tight trough
- Storage capacity: thirty 2.5L or ninety 500mL bottles
- Partially lined model has polypropylene on the floor, shelf and top tray
- Fully lined model has polypropylene on the floor, interior walls, interior top and top tray

ORDERING INFORMATION:

- Exterior: 20D × 31W × 36.5 in.H (50.8 × 78.7 × 92.7cm)
- Interior: 17.13D × 29W × 28.5 in.H (43.5 × 73.7 × 72.4cm)
- Additional polypropylene slide-in isolation compartment available as an accessory (Cat. No. S51074)



Cat. No.	Description	Price
S51072MF	Partially-Lined Acid Cabinet	1419.00/Ea
S51073MF	Fully-Lined Acid Cabinet	1885.00/Ea

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NEW Featured Products



Produce Your Own

Avoid ordering large quantities of dry ice when little is needed.

Description	Cat. No.	Price
Bel-Art™ Dry Ice Maker	S80743	\$1379.00



Engage Your Students

Perform microscopy experiments in any setting.

Description	Cat. No.	Price
Foldscope Instruments™ Deluxe Individual Kit	S72783	\$18.00
Foldscope Instruments Combined Deluxe Basic Kit	S72784	\$70.00
Foldscope Instruments LED Magnifier Kit	S72785	\$35.00



Affordable Quality

Find easy-to-use microscopes that are ideal for the classroom environment.

Description	Cat. No.	Price
Swift™ Corded LED Student Microscope	S80697	\$399.00
Swift Corded LED Student Microscope	S80698	\$457.00
Swift Corded LED Student Microscope	S80699	\$520.00
Swift Cordless LED Microscope	S80700	\$409.00
Swift Cordless LED Microscope	S80701	\$467.00
Swift Cordless LED Microscope, 100x	S80702	\$524.00
Swift LED Microscope/Camera Bundle	S80703	\$814.00
Swift LED Microscope/Camera Bundle	S80704	\$944.00



A Valuable Educational Tool

Explore balances designed for a range of essential weighing applications.

Description	Cat. No.	Price
Ohaus™ Navigator™ NV222 Electronic Balance	S72709	\$361.00
Ohaus Navigator NV422 Electronic Balance	S72710	\$459.00
Ohaus Navigator NV221 Electronic Balance	S72711	\$209.00
Ohaus Navigator NV621 Electronic Balance	S72712	\$309.00
Ohaus Navigator NV1201 Electronic Balance	S72713	\$349.00
Ohaus Navigator NV2201 Electronic Balance	S72714	\$389.00
Ohaus Navigator NVT2201 Electronic Balance	S72715	\$389.00
Ohaus Navigator NVT4201 Electronic Balance	S72716	\$486.00
Ohaus Navigator NVT2200 Electronic Balance	S72717	\$365.00
Ohaus Navigator NVT6200 Electronic Balance	S72718	\$479.00
Ohaus Navigator NVT12000 Electronic Balance	S72719	\$516.00
Ohaus Navigator NVT22000 Electronic Balance	S72720	\$620.00

Furniture

Fume Hoods

Labconco™ Protector™ ClassMate™ Laboratory Hoods



Designed to meet the needs of instructional laboratories. Labconco Protector ClassMate Laboratory Hoods are fully-featured benchtop hoods with clear back and sides for enhanced visibility for conducting demonstrations or observing students.

Clear back and sides and taller front viewing window provide enhanced visibility for conducting chemistry demonstrations or observing students using the hood. The clear back also does not obstruct visibility when hoods are placed back-to-back in an island configuration.

Fully-featured with baffle and air foil, this high-performance by-pass hood maintains safe airflow while conserving energy.

- SEFA 1 High Performance Hood
- Patented design
- By-pass airflow design
- Glacier white powder-coated steel frame
- Ergonomic air foil with aerodynamic Clean-Sweep airflow openings
- Low-profile, ADA-compliant spill trough
- Clear, 1/4 in. thick, tempered safety glass sides, back and removable baffle
- 5° angled, 1/4 in. thick tempered safety glass stationary viewing panel and 3/16 in. thick chain-driven sash with anti-racking shaft and powder-coated steel frame that provides 37.5 in. high visibility
- Powder-coated sash handle with aerodynamic Clean-Sweep airflow openings

- High-performance, 3-piece glass baffle that pivots for cleaning
- Cord-Keeper slots on left and right side of air foil
- Pre-wired LED lighting, light switch and blower switch
- Powder-coated stainless steel tissue screen located directly below exhaust outlet
- Removable front panel, side panels and interior cover plates for access to plumbing and electrical wiring
- Powder-coated stainless steel 12.81 in. ID exhaust connection
- On vertical-rising sashes: sash stop at 18" height from work surface (60% open). Can be field modified to 14" from work surface. Fully open sash is 28" from work surface.



REQUIRES:
Remote blower, Ductwork, Work surface, Base cabinet or stand

CERTIFICATIONS/ COMPLIANCE:
ANSI Z9.5, ASHRAE 110, ASTM E84, CAN/CSA C22.2, CFR 29, NFPA 45, SEFA 1, SEFA 8 (Cabinet Surface Finish), UL 1805, UL 61010

Combination Sash Models Feature

- Combination horizontal-sliding/vertical-rising sashes that allow the operator to use the hood with the sashes half open either horizontally or vertically.
- Sash stop at 14 in. height from work surface (50% vertical opening). Can be field modified to 18 in. from work surface. Fully open sash is 28 in. from work surface

Cat. No.	Width	Weight	Includes	Lighting	Electrical Requirements	Price
S71809	4 ft.	400 lb.	1 Duplex, 2 Service Fixtures	LED	100-115V 50/60Hz, 10A	9358.00/Ea
S71831	5 ft.	490 lb.	1 Duplex, 2 Service Fixtures	LED	100-115V 50/60Hz, 10A	10189.00/Ea
S71843	6 ft.	560 lb.	1 Duplex, 2 Service Fixtures	LED	100-115V 50/60Hz, 10A	10487.00/Ea

Labconco™ Protector™ ClassMate™ SpillStopper™ Work Surfaces

Designed to protect fume hoods from accidental spills.

- Dished and contoured to conform to interior liner of Protector Classmate Laboratory Hoods.
- Molded from corrosion-resistant epoxy resins
- Dished design helps to contain spills
- Front edge has large radius to direct airflow into the hood
- Pre-drilled holes for venting and plumbing passthrough
- May be ordered with oval cupsink cutout(s)



ORDERING INFORMATION:

Cupsink sold separately.

Cat. No.	Depth	Height	Weight	Cut Style	Price
4 ft. wide					
S71854	26 in.	1.25 in.	110 lb.	Left rear	1853.00/Ea
S71852	26 in.	1.25 in.	110 lb.	Right rear	1853.00/Ea
S71856	26 in.	1.25 in.	110 lb.	Left and right rear	2055.00/Ea

Cat. No.	Depth	Height	Weight	Cut Style	Price
5 ft. wide					
S71860	26 in.	1.25 in.	150 lb.	No cutout	2040.00/Ea
S71863	26 in.	1.25 in.	150 lb.	Left rear	2267.00/Ea
S71861	26 in.	1.25 in.	150 lb.	Right rear	2267.00/Ea
S71865	26 in.	1.25 in.	150 lb.	Left and right rear	2469.00/Ea
6 ft. wide					
S71869	26 in.	1.25 in.	205 lb.	No cutout	2459.00/Ea
S71872	26 in.	1.25 in.	205 lb.	Left rear	2656.00/Ea
S71870	26 in.	1.25 in.	205 lb.	Right rear	2656.00/Ea
S71874	26 in.	1.25 in.	205 lb.	Left and right rear	2671.00/Ea

Labconco™ Protector™ Pass-Through Laboratory Benchtop Fume Hoods

With sashes on two sides allowing operation on either side of fume hood. Hoods may also be installed in wall between two rooms for sample preparation and are ideal for conducting chemistry demonstrations.

- By-pass airflow design
- CFM/Static Pressure at 100 fpm:
With 1 sash fully open, exhausts 775 CFM at 0.33 in. static pressure
- Glacier white, dry powder epoxy-coated steel and aluminum frame
- Ergonomic air foil with aerodynamic Clean-Sweep airflow openings
- Two each tempered safety glass vertical-rising sashes
- Audible alarm that sounds when both sashes are open at same time
- Pre-wired 100w vapor-proof incandescent light
- One pre-wired 115V, 20A GFCI electrical duplex receptacle on lower right side (one side)
- Pre-wired light and blower switches (one side)
- Removable front and side panels for access to light, electrical wiring and sash cables
- Epoxy-coated steel I.D.: 25.6cm (10.09 in.) exhaust connection
- All units are 33D × 59 in.H; available in 4 ft. and 6 ft. widths
- ADA, ANSI Z9.5, ASHRAE 110, ASTM E84, CAN/CSA C22.2, CFR 29, NFPA 45, SEFA 1, UL 1805, UL 61010

REQUIRES:

Remote blower or ducting to house exhaust, Work surface, Base cabinet or stand. All sold separately.



Cat No	Receptacles	Fixtures	Window	Electrical Reqts.	Weight (lb.)	Price
4 ft. Widths						
S15323	None	None	None	100-115V, 50/60Hz, 10Amp	410	8044.00/Ea
S15325	None	None	None	208-230V, 50/60Hz, 5Amp	410	8044.00/Ea
S15326	None	Two	None	208-230V, 50/60Hz, 5Amp	420	8670.00/Ea
S15327	None	None	Left	100-115V, 50/60Hz, 10Amp	410	8483.00/Ea
6 ft. Widths						
S15347	None	None	None	100-115V, 50/60Hz, 10Amp	585	9417.00/Ea
S15349	None	None	None	208-230V, 50/60Hz, 5Amp	585	9417.00/Ea
S15350	None	Two	None	208-230V, 50/60Hz, 5Amp	595	10,088.00/Ea
S15351	None	None	Left	100-115V, 50/60Hz, 10Amp	585	9871.00/Ea
S15352	Duplex	Two	Left	100-115V, 50/60Hz, 10Amp	595	10,709.00/Ea

Labconco™ Protector™ Demonstration Hood System

Low-profile, light-duty fume hoods provide close observation of procedure

Includes a powder-coated steel cart with work surface and FilterMate™ Portable Exhauster.

- Tempered safety glass in sturdy, dry powder-coated aluminum frame
- Angled sash for reduced glare and more comfortable operating position
- Clean-Sweep™ airfoil creates a constant barrier of protection from contaminants
- 23 in. (58.4cm) deep interior accommodates a variety of apparatus
- 8 in. (20.3cm) high sash opening limits exhaust demand
- Electrical requirements: 115V 60Hz, 10A
- Dimensions: 32D × 39W × 68 in.H
- Weight: 135 lb. (61kg)
- Supports 400 lb. (181kg)

Cart with work surface includes:

- Handle bar
- Bottom shelf
- 4 in. (10.2cm) casters

FilterMate portable exhauster includes:

- 8 ft. of 5 in. (2.4m of 15.2cm) polypropylene hose
- Two clamps
- Lower transition adapter for connection to demonstration hood
- Electrical cord with plug

COMPLIANCE:

Meet SEFA 1-2002, ANSI™ Z9.5-1993, UL 3101-1/61010-1, and CAN/CSA C22.2 No. 1010.1



Cat. No.	Description	Price
S79524B	Demonstration Hood System	9356.00/Ea

Mobile Units

Diversified Woodcrafts™ Mobile Storage Cabinet

Take your tools with you.

- Locking cabinet
- Adjustable half-depth shelf for storage of tall items
- 4 in. (10cm) ball-bearing locking swivel casters
- 1.25 in. (3.1cm) HP plastic laminate top
- Dimensions: 24L x 36W x 36 in.H (61 x 90 x 90cm)
- Weight: 140 lb. (63.4kg)

ORDERING INFORMATION:

FASTRAK item — ships within five days.



Cat. No.	Description	Price
S94750MF	Mobile Storage Cabinet	641.00/Ea

Diversified Woodcrafts™ Mobile Tote Tray Storage Cabinet

The Diversified Mobile Tote Cabinet allows storage of various materials with these large bins.

- Constructed of oak veneers and solid oak with a chemical resistant, earth friendly UV finish
- Rolls easily on 4 in. locking swivel casters
- Two lockable doors swing 270 degrees and conceal 21 tote trays
- Plastic laminate top can double as a work surface
- Mobile capacity: 500 lb.

ORDERING INFORMATION:

Tote trays: 19L x 14.25W x 3.5 in. H (48.2 x 36 x 8.9cm); Overall: 24D x 48W x 41.5H; Weight: 231



Cat. No.	Description	Price
S02364MF	Mobile Tote Tray Storage Cabinet	1501.00/Ea

Diversified Woodcrafts™ Mobile Microscope Storage Cabinet

Share microscopes safely and conveniently.

- 1.25 in. (3.1cm) plastic laminate top
- 4 in. (10cm) ball-bearing, locking, swivel casters
- Removable dividers provide 6 x 11 x 16 in. (15 x 27.5 x 40cm) space for each microscope
- Holds 24 microscopes up to 6 3/4 x 10 x 15 1/2 in. (W x D x H)

ORDERING INFORMATION:

FASTRAK item: S94851MF ships within five days.

- Dimensions: 48W x 28D x 40 in.H (120 x 70 x 100cm)
- Weight: 202 lb. (91.6kg)



Cat. No.	Description	Price
S94751MF	Microscope Storage Cabinet	1895.00/Ea

Diversified Woodcrafts™ Bare Bones Mobile Lab Table

Ideal for moving demonstrations around the room, school or lab. Constructed of solid oak as well as oak and hardwood veneers with a clear, chemical-resistant finish.

- Unbreakable aluminum sliding door glides
- Equipped with lock
- Fitted with one fixed shelf
- 1.25 in. (3.1cm) HP plastic laminate top
- Rolls easily on 4 in. (10cm) ball-bearing swivel casters with brakes
- Dimensions: 24L x 48W x 36 in.H (61 x 120 x 90cm)
- Weight: 180 lb. (81.5kg)

ORDERING INFORMATION:

FASTRAK item — ships within five days.



Cat. No.	Description	Price
S94785MF	Bare Bones Mobile Lab Table	743.00/Ea

Diversified Woodcrafts™ Economy Mobile Lab Table

Lab table goes where you go.

- Constructed of oak and oak veneers with a clear, chemical-resistant finish
- Fitted with 1.25 in. (3.1cm) HP laminate top and 4 in. (10cm) ball-bearing locking swivel casters
- Equipped with unbreakable aluminum sliding door glides and lock
- Dimensions: 24L x 48W x 36 in.H (61 x 120 x 90cm)
- Weight: 185 lb. (83.9kg)

ORDERING INFORMATION:

FASTRAK item — ships within five days.

INCLUDES:

- Plastic sink
- Hand pump
- Two rod sockets (rods and crossbars included)
- Two water bottles with connecting hoses
- Extension cord
- GFI-protected AC duplex electrical receptacle



Cat. No.	Description	Price
S94749MF	Economy Mobile Lab Table	1360.00/Ea

Diversified Woodcrafts™ Write-N-Roll Mobile Storage Cart

Mobile storage along with an adjustable top.

- Adjustable marker board writing surface with 10-position arms
- Constructed of solid oak, oak veneers
- Left side of cabinet has five tote trays
- Adjustable position top, black PVC edge (3mm thick)
- Top made of (0.75 in.) white marker board so messages or techniques can be demonstrated
- Storage for flat items like paper and books (19 × 25 in.) beneath top
- Doors with pulls for more storage (96mm)
- Dimensions: 24D × 36W × 36 in. H
- Five trays on left cabinet (Dimensions: 13 × 17.5 × 3.5 in.)
- Right cabinet with three drawers (Dimensions: 13 × 17 × 2.5 in.)

WARRANTY: Limited Lifetime Warranty

COMPLIANCE: SEFA

CERTIFICATIONS: MAS Certified Green



Cat. No.	Description	Price
S38034	Write-N-Roll Mobile Storage Cart	1023.00/Ea

Diversified Woodcrafts™ Sculpture Ware Cart

Versatile drying, damp cabinet to eliminate mess with ceramics and pottery drying.

- Drying, damp cabinet
- Manually controllable drying process
- Peninsula style cart
- Constructed of maple veneers
- Moisture resistant finish
- Three epoxy coated, grid-style shelves
- Epoxy coated drip pan on bottom shelf
- Ball bearing swivel casters (4 in.)
- D × W × H: 30 × 48 × 60 in.

WARRANTY: Limited Lifetime Warranty

COMPLIANCE: SEFA

CERTIFICATIONS: MAS Certified Green



Cat. No.	Description	Price
S38035	Sculpture Ware Cart	2594.00/Ea

Diversified Woodcrafts™ Mobile Laptop Recharging Station

Provides safe, easy access to charging station.

- Front and back sliding hardwood plywood doors
- Multiple outlet plug strips in back section (up to 20 computers)
- Cords from outlet strips can be fed through a hole
- Wire dividers to minimize heat buildup during charging
- Black plastic laminate top (0.25 in.)
- Heavy duty swivel locking casters (4 in.)
- Dimensions: 24D × 48W × 36 in. H
- Laptop opening (D × W × H): 13 × 3.625 × 13 in.

WARRANTY: Limited Lifetime Warranty

COMPLIANCE: SEFA

CERTIFICATIONS: MAS Certified Green



Cat. No.	Description	Price
S38037	Mobile Laptop Recharging Station	1545.00/Ea

Tables

Diversified Woodcrafts™ Oak Tables with Book Compartment Aprons

Diversified Oak Table with Book Compartment Aprons keeps books within reach.

Chemical-resistant finish, solid red-oak tables with book compartment apron. Fitted with 2.25 in. (5.7cm) square oak legs.

- Two tops available: ChemGuard™ and 1 in. (2.54cm) epoxy resin
- Legs installed with 0.31 in. (0.79cm) hanger bolts and attached to apron with nuts and washers supplied
- Legs equipped with nonskid adjustable glides for precise leveling
- Legs fashioned with rubber leg boots
- Apron fitted with heavy-duty 13-gauge steel corner braces
- Apron Dimensions: 0.81D × 4.5 in.H (2 × 11.4cm)
- Compartment Dimensions: 12.75D × 14.3W × 3.88 in.H (32.4 × 36.2 × 9.69cm)

ORDERING INFORMATION:

FASTRAK Item – Ships within 5 days



Cat. No.	Dimensions (L × W × H)	Description	Price
C7101KP	24 × 48 × 30 in. (61.0 × 121.9 × 76.2cm)	Plastic laminate	362.00/Ea
S94742MF	24 × 54 × 30 in. (61.0 × 137.2 × 76.2cm)	ChemGuard™	524.00/Ea
S94743MF	24 × 60 × 30 in. (61.0 × 152.4 × 76.2cm)	ChemGuard™	411.00/Ea

Diversified Woodcrafts™ Oak Table with Plain Aprons

Made of smoothly machined oak, providing long-lasting usability and easy care.

Solid red oak tables with plain aprons and a chemical-resistant finish.

- Three tops available: plastic laminate, ChemGuard™ and 1 in. (2.54cm) epoxy resin
- Fitted with 2.25 in. (5.7cm) square oak legs
- Legs installed with 0.31 in. (0.79cm) hanger bolts and attached to apron with supplied nuts and washers
- Legs equipped with nonskid adjustable glides for precise leveling and rubber boots
- Apron fitted with heavy-duty 13-gauge steel corner braces
- Steel corner braces

ORDERING INFORMATION:

FASTRAK item – ships within five days



Cat. No.	Dimensions (L × W × H)	Description	Price
S94735MF	48 × 24 × 30 in. (121.92 × 60.96 × 76.2cm)	ChemGuard™	411.00/Ea
7101KP	48 × 24 × 30 in. (121.92 × 60.96 × 76.2cm)	Plastic laminate	302.00/Ea
S94736MF	54 × 24 × 30 in. (137.16 × 60.96 × 76.2cm)	ChemGuard™	442.00/Ea
S94738MF	54 × 24 × 30 in. (137.16 × 60.96 × 76.2cm)	Epoxy Resin	519.00/Ea
S94734MF	54 × 24 × 30 in. (137.16 × 60.96 × 76.2cm)	Plastic laminate	318.00/Ea
S94737MF	60 × 24 × 30 in. (152.4 × 60.96 × 76.2cm)	ChemGuard™	433.00/Ea
S94739MF	60 × 24 × 30 in. (152.4 × 60.96 × 76.2cm)	Epoxy Resin	583.00/Ea
7301K	72 × 24 × 30 in. (182.88 × 60.96 × 76.2cm)	Plastic laminate	414.00/Ea

Diversified Woodcrafts™ Oak Table with Plain Apron and Solid Epoxy Top

Ideal for high school and above with gas and other heat producing processes.

- Solid red oak legs and apron
- Black rubber leg boots
- Chemical-resistant, earth-friendly UV finish



Cat. No.	Description	Price
S48086	21 × 48 in.	471.00/Ea
S48250	21 × 54 in.	515.00/Ea
S48580	21 × 60 in.	560.00/Ea
S48729	21 × 72 in.	648.00/Ea
S47488	24 × 48 in.	622.00/Ea
S41945	24 × 72 in.	670.00/Ea
S47625	30 × 48 in.	581.00/Ea

Cat. No.	Description	Price
S47704	30 × 54 in.	663.00/Ea
S47852	30 × 60 in.	691.00/Ea
S47994	30 × 72 in.	792.00/Ea
S48168	36 × 48 in.	698.00/Ea
S48332	36 × 54 in.	783.00/Ea
S48662	36 × 60 in.	827.00/Ea

Cat. No.	Description	Price
S41829	36 × 72 in.	952.00/Ea
S47561	42 × 48 in.	788.00/Ea
S42237	42 × 54 in.	870.00/Ea
S42295	42 × 60 in.	947.00/Ea
S42007	42 × 72 in.	1069.00/Ea
S42021	48 in. ROUND	1428.00/Ea

Stools and Chairs

fisherbrand Education Wood Chair with Round Tube Base

Fisherbrand™ Education Wood Chair for Medium Bench features 7-Ply Contoured Furniture-Grade Plywood with natural finish, powder coated steel base, fixed foot ring and stationary glides. For use at a 36 inch (91.44cm) work surface.

- Ergonomic wood chairs are durable making them ideal for almost any environment
- Our wood FisherBrand chairs are constructed with seven-ply furniture grade hardwood
- These medium bench height FisherBrand chairs feature a black powder-coated steel base with fixed foot ring
- Optional casters available and add 2-inches of height to the chair
- Each ergonomic FisherBrand chair is backed by our 15-year warranty, lifetime on the pneumatic lift



ORDERING INFORMATION:

Seat: 15.75D x 17.5 in. W (40 x 44cm).
 Back: 14.75W x 10 in. H (37.5 x 25.4cm).

Cat. No.	Description	Price
S68906	Wood Chair with Round Tube Base	263.00/Ea

fisherbrand Metal Stools

These Fisherbrand 4-legged metal stools are made of 11-gauge steel and finished with a gray durable powder coating.

- Each stool features a fixed foot ring for added comfort, a 13-inch diameter seat top, and non-marring glides suitable for hard floors
- These stools are not adjustable, but are available in 18-inch, 24-inch, and 30-inch heights to fit just about any work surface
- Each 4-legged stool is covered by our 3-year warranty.



Cat. No.	Description	Price
S68908B	Four-leg Base; Seat Height: 24 in. (61cm)	70.50/Ea
S68908C	Four-leg Base; Seat Height: 30 in. (76cm)	80.00/Ea

Kik-Step™ Stool

Rubber bumper at bottom prevents damage to walls and equipment.

Spring-loaded casters retract for sure footing each time you step on. When you step off, the stool rolls smoothly.

- Two steel steps are cushioned with rubber matting for secure footing
- 500 lb. (226.8kg) capacity
- Wide rubber band around base protects gray enamel finish
- Dimensions: 14.5H x 15.5 in. (36.8 x 39.4cm) base diameter



Cat. No.	Description	Price
S51101	Kik-Step Stool	149.00/Ea

Heavy-Duty Steel Stools

Available with optional adjustable height and/or backrest.



- Made of 0.875 in. (2.2cm), 18-gauge steel tubing
- Seat is a comfortable 14 in. (35.6cm) wide with 11.5 in. (29.2cm) Masonite™ board, recessed to avoid chipping and cracking
- Four legs with 0.625 in. (1.6cm) foot ring welded at each point
- Selected models feature 6 x 12 in. (15.2 x 30.5cm) backrest that moves front/back and up/down
- Adjustable stools offer customizable seat height for taller students or higher lab desks
- Overall width: 16.8 in. (42.7cm)

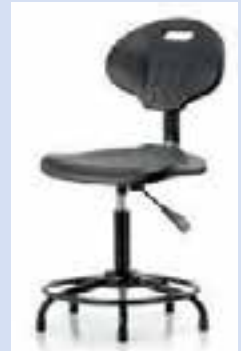
Cat. No.	Height (English)	With Backrest	Price
Bench Height Models			
S98084MF	18 in.	No	51.75/Ea
S98085MF	24 in.	No	56.75/Ea
S98086MF	30 in.	No	70.50/Ea
Adjustable Height Models			
S98087MF	19 to 27 in.	No	71.50/Ea
S98093MF	19 to 27 in.	Yes	52.50/Ea
S98088MF	25 to 33 in.	No	39.50/Ea
S98094MF	25 to 33 in.	Yes	68.00/Ea
S98089MF	31 to 39 in.	No	44.75/Ea

fisherbrand Basic Industrial Polyurethane Chair Powder-Coated Steel Base

Fisherbrand™ Polyurethane Chairs feature a soil-, chemical- and puncture-resistant polyurethane top, nylon-reinforced fiberglass base and stationary glides. Fully adjustable with a variety of options.

- Ergonomic polyurethane chairs adjust to fit most body types and workstations
- Optional 6-way adjustable arm rests support a variety of arm placements for proper ergonomics
- Easily cleaned, making them ideal for almost any environment
- Black powder-coated steel base with fixed foot ring
- Optional casters available and add 2-inches of height to the chair
- Optional seat tilt provides 8° forward and 3° backward locking tilt for ergonomic posture support
- 15-year warranty, lifetime on the pneumatic lift

Cat. No.	Foot Type	Arm Style	Price
S38560	Stationary Glides	No arms	186.00/Ea
S38563	Casters	No arms	196.00/Ea
S38696	Stationary Glides	Adjustable arms	220.00/Ea
S36829	Casters	Adjustable arms	234.00/Ea



fisherbrand High Bench Height Industrial Blue Polyurethane Chair

Fisherbrand High Bench Height Industrial Blue Polyurethane Chair features industrial grade, puncture, soil, and chemical resistant seat and back. Fully adjustable for 42 in high counters.

- Features ergonomic adjustments
- Optional 6-way adjustable arms for proper ergonomic arm placement
- Optional 8-degree forward, 3-degree backward locking seat tilt
- Handle on back pad for ease of movement around the work space
- For 42-inch high work surface
- 20-Inch diameter chrome foot ring
- Soil, Puncture, and Chemical Resistant Industrial Grade Polyurethane Seat and Back
- Non-Marring Casters or Stationary Glides

WARRANTY:
15-year on parts, lifetime on pneumatic cylinder

CERTIFICATIONS:
ANSI/BIFMA



Cat. No.	With Casters	With Tilt	With Armrest	Price	Cat. No.	With Casters	With Tilt	With Armrest	Price
Adjustable Arms					Fixed Arms				
S40493	Yes	No	Yes	322.00/Ea	S40513	Yes	No	No	242.00/Ea
S40494	No	No	Yes	322.00/Ea	S40514	No	No	No	242.00/Ea
S40497	Yes	Yes	Yes	350.00/Ea	S40521	Yes	Yes	No	270.00/Ea
S40508	No	Yes	Yes	350.00/Ea	S40522	No	Yes	No	270.00/Ea

fisherbrand Pneumatic Shell Chair

Fisherbrand™ Shell Chair with Round Tube Base for Medium Bench features Polypropylene Shell and stationary glides. For use at a 36 inch (91.44cm) work surface

- Pneumatic shell chairs are made of the highest quality materials to withstand heavy duty use in a broad range of applications
- Our one-piece molded polypropylene shell with powder-coated steel base is easy to clean
- The bucket seat is available in either blue or black
- 3-year warranty, lifetime on the pneumatic lift

Cat. No.	Adjustable Height	Color	Price
S68901A	15-21 in.	Blue	159.00/Ea
S98273	15-21 in.	Black	159.00/Ea
S90502	18-26 in.	Blue	142.00/Ea
S98274	18-26 in.	Black	142.00/Ea



Storage Cases and Bookcases

Herbarium Specimen Cabinet

Protect plant specimens from damaging elements conveniently and easily.

- Double-wall construction and elastomeric seal keep out air and other damaging elements
- Rigid chrome push-plate and three-point locking system
- Air space at the rear and front of shelves permits circulation of fumigants
- Features lift-off hinges, fumigant compartments, chrome label holders and a paracentric key lock
- Shallow shelves allow folders to be removed easily and permit genus folders to overhang
- Double-panel airtight door and fold at the front of the shelf protect specimen folders
- Elastomeric seal and powder paint finish will not cause off-gassing
- All steel construction
- Door opens to the right
- Dimensions: 19L x 29 in.W (48 x 74cm)



INCLUDES:

Three-point locking mechanism.

Cat. No.	Description	Price
S51056MF	Herbarium Specimen Cabinet	3098.00/Ea

Diversified Woodcrafts™ Oak Microscope Cabinet

Secure storage for your valuable microscopes

- The unit is finished with a chemical resistant, earth-friendly UV finish and rubber base molding
- Adjustable wire dividers all for storage of various size microscopes
- Constructed of solid oak and oak veneers
- Limited Lifetime Warranty
- Locking oak framed door with 3/16 in. tempered glass
- Shelves are 1 in. thick and have a weight capacity of 40 lbs. per sq. ft.
- 22D x 84 in. H
- Made in the USA



Cat. No.	Material	Width (English)	Price
S72466	Oak	24 in. W	969.00/Ea
S72467	Oak/Glass	36 in. W	1369.00/Ea
S72468	Oak/Glass	48 in. W	1854.00/Ea
S72469	Oak/Glass	36 in. W	1588.00/Ea

Diversified Woodcrafts™ Tall Storage Cabinet with Glass Doors

Provide added storage in style with the Diversified Tall Storage Cabinet with Glass Doors. Each is made of oak veneers with solid wood framed glass doors.

- Two- and four- door cabinets with top and bottom doors divided
- Fixed shelf in middle that allows top and bottom doors to lock separately
- Right hinged doors have lock which locks both right and left hinged doors
- Fixed bottom shelf and two adjustable shelves in bottom and top sections each
- Wood finished with non-emitting UV finish
- Dimensions: 55.8D × 213.3cm H (22 × 84 in.)
- Each shelf holds 18.1kg (40 lb.) per square foot
- Units with 91.4cm, 122cm and 61cm (36, 48 and 24 in.) width have 2.54cm (1 in.) thick shelves



Cat. No.	Width	Door Type	Price
S14213	48 in.	4 glass doors	1887.00/Ea
S14212	36 in.	4 glass doors	1644.00/Ea

Diversified Woodcrafts™ Tall Storage Cabinets with Maple Doors

Provide added storage in style with the Diversified Tall Storage Cabinet with Maple Doors. Each is made of maple veneers with solid wood framed doors.

- Two and four door cabinets with top and bottom doors divided
- Fixed shelf in middle that allows top and bottom doors to lock separately
- Right hinged doors have lock which locks both right and left hinged doors
- Fixed bottom shelf and two adjustable shelves in bottom and top sections each
- Wood finished with non-emitting UV finish
- Each shelf holds 40 lb. (18.1kg) per square foot
- Units with 36 in. and 48 in. (91.4cm and 122cm) width have 1 in. (2.54cm) thick shelves
- Cabinets with 24 in. (61cm) width have 0.75 in. (2cm) thick shelves
- Available in two widths: 24 in. (61cm) two doors, and 48 in. (122cm) four doors



Cat. No.	Width	Door Type	Price
S14208	24 in.	2 solid doors	652.00/Ea
S14211	48 in.	4 solid doors	1029.00/Ea

Equipment

Balances and Weighing

OHAUS™ Scout™ SKX Portable Balances

Offers superior overload protection in a sleek, low profile and stackable design.



- Large, backlit LCD display
- Multiple connectivity options like Bluetooth, Ethernet, USB and more
- Rapid stabilization and high resolution
- Stackable design
- Kensington security slot (cable sold separately)
- Calibration mass included (all models up to 620g)
- 6 different weighing units; g, kg, N, oz, lb, lb:oz
- Powered by AC adapter (included) or by 4 AA batteries (not included)
- Intergrated weigh-below hook
- Transportation/storage lock

Applications:

Ideal for education-specific weighing applications, density determination and molar mass calculations.

Cat. No.	Model	Capacity	Readability	Stabilization Time	Price
S14529	SKX123	120 g	0.001 g	1.5 sec.	534.00/Ea
S14530	SKX222	220 g	0.01 g	1 sec.	387.00/Ea
S14531	SKX422	420 g	0.01 g	1 sec.	549.00/Ea
S14535	SKX421	420 g	0.1 g	1 sec.	225.00/Ea
S14532	SKX622	620 g	0.01 g	1 sec.	645.00/Ea
S14536	SKX621	620 g	0.1 g	1 sec.	313.00/Ea
S14533	SKX1202	1200 g	0.01 g	1.5 sec.	897.00/Ea
S14537	SKX2201	2.2 kg	0.1 g	1 sec.	399.00/Ea
S14534	SKX2202	2.2 kg	0.01 g	1.5 sec.	834.00/Ea
S14538	SKX6201	6.2 kg	0.1 g	1 sec.	670.00/Ea
S14539	SKX8200	8.2 kg	1 g	1 sec.	399.00/Ea

Fisher Science Education™ Precision™ Balances

Dependable measurements and reliable performance.



- Simple three-button operation
- Weighing units: Grams and Newtons
- Large 7 in. (22.9cm) high weighing chamber and three-door draft shield included with 200g and 400/100g models
- Sealed front panel and molded spill ring for fast, easy cleanup
- Integrated security bracket
- Large, single-line LCD display (not backlit)
- Stainless-steel weighing pan
- RS-232 interface

INCLUDES: AC adapter

WARRANTY: Two years

COMPLIANCE: UL and CSA approved.

Cat. No.	Model	Capacity	Readability	Stabilization Time	Price
S72474	PMF223/E*	220g	0.001g	2 sec	1317.00/Ea
S72475	PMF523/E*	520g	0.001g	2 sec	1440.00/Ea
S72476	PMF422/E	420g	0.01g	1 sec	966.00/Ea
S72477	PMF622/E	620g	0.01g	1 sec	998.00/Ea
S72478	PMF1602/E	1600g	0.01g	1 sec	1102.00/Ea
S72479	PMF2202/E	2200g	0.01g	1 sec	1178.00/Ea

* Includes draftshield

Fisher Science Education™ Portable Balances

Superior performance in an affordable, portable balance.



- Excellent shock resistance and overload protection
- Three-button operation
- Draft shield flip top with integrated sample tray, standard for all models
- Integral weigh-below hook, critical for density or specific gravity determination Security bracket RS-232 or optional USB snap-in module allows data connection to PC or printer Stackable design
- Shipping load cell lock (overload protection up to 200 lb.)
- 50-hour battery life with auto shutoff
- RS0232 (S02266) or USB interface cable (S02267) are available separately

INCLUDES: AC adapter

REQUIRES: Three AA batteries, Security bracket cable

WARRANTY: One year

Cat. No.	Model	Capacity	Readability	Stabilization Time	Price
S94792A	SLF103	100 g, 0.22 lb	0.001 g	3 sec.	557.00/Ea
S94792B	SLF152	150 g	0.01 g	3 sec.	370.00/Ea
S94792C	SLF302	300 g	0.01 g	3 sec.	506.00/Ea
S94792D	SLF301	300 g	0.1 g	3 sec.	206.00/Ea
S94792K	SLF303	300 g	0.001 g	3 sec.	727.00/Ea
S94792E	SLF501	500 g, 18 oz.	0.1 g	3 sec.	242.00/Ea
S94792F	SLF901	900 g	0.1 g	3 sec.	312.00/Ea
S94792G	SLF1501	1.5 kg	0.1 g	3 sec.	242.00/Ea
S94792H	SLF3001	3 kg	0.1 g	3 sec.	497.00/Ea
S94792J	SLF5000	5 kg, 11.02 lb.	1 g	3 sec.	243.00/Ea

OHAUS™ Scout™ STX Portable Balances with Touchscreen Display

The all new Ohaus Scout with intuitive color touchscreen interface offers superior overload protection in a sleek, low profile and stackable design.



- Fast response time and repeatable weighing results
- Rapid stabilization and high resolution
- Five major connectivity options
- Additional software application modes and added weighing units complement the balance and set a new standard in portable weighing technology
- Available with or without draftshield
- Stackable design
- Leveling bubble with adjustable feet
- Kensington security slot cable sold separately
- Calibration mass included(all models up to 620g)
- 12 different weighing units:g,mg,kg,lb:oz,N,ct,Grn, dwt, ozt, custom unit
- Powered by AC adapter (included) or 4 AA batteries (not included)
- Integrated weigh-below hook
- Transportation/storage lock
- Multiple Language Options

APPLICATIONS

Weighing, density determination, molar mass

Cat. No.	Model	Capacity (Metric)	Readability	Price
S14505†	STX123	120g	0.001g	777.00/Ea
S14506†	STX223	220g	0.001g	869.00/Ea
S14507	STX222	220g	0.01g	568.00/Ea
S14508	STX422	420g	0.01g	797.00/Ea
S14512	STX421	420g	0.1g	324.00/Ea
S14513	STX621	620g	0.1g	478.00/Ea
S14509	STX622	620g	0.01g	933.00/Ea
S14510	STX1202	1200g	0.01g	1064.00/Ea
S14511	STX2202	2200g	0.01g	1196.00/Ea
S14514	STX2201	2200g	0.1g	604.00/Ea
S14516	STX8200	8200g	1g	501.00/Ea

†With draft shield

Fisher Science Education™ Analytical Balances

Dependable mass measurement for solution preparations.

- Simple three-button operation
- Weighing units: Grams and Newtons
- Large, 9 in.H (22.9cm) weighing chamber with three sliding glass doors accommodates flasks and beakers
- Sealed front panel and molded spill ring for fast, easy cleanup
- Integrated security bracket
- Large LCD display
- Three sliding glass doors
- Stainless-steel weighing pan
- RS-232 interface
- Electrical requirements: 120VAC 60Hz

WARRANTY:

Two years

COMPLIANCE:

UL and CSA approved



INCLUDES:

AC adapter

Cat. No.	Model	Capacity	Readability	Stabilization Time	Price
S72471	PMF64/E	62 g	0.0001 g	4 sec.	2005.00/Ea
S72472	PMF124/E	120 g	0.0001 g	4 sec.	2030.00/Ea
S72473	PMF224/E*	220 g	0.0001 g	4 sec.	2402.00/Ea

OHAUS™ Adventurer™ Analytical and Precision Balances

Stable, accurate and fast operating balance for optimal weighing results in routine laboratory work.

- Wide viewing angle color touchscreen (WQVGA Graphic LCD) provides quick access to all applications
- Six mechanical keys to perform repetitive operations such as tare, zero, calibration and print
- Allows user to perform nine application modes and features that eliminate need for manual calculations
- Two piece, top-mounted draftshield doors open wide on both sides; providing ample room for sample placement and reducing footprint of draftshield
- Dual USB ports with GLP/GMP tracking capabilities assist in monitoring and reporting of data
- Easily accessible front USB port for loading data from balance to flash drive; second USB located at rear of balance connects balance to PC
- Real-time clock function to keep accurate time even during power loss
- GLP data capability for recording sample name, project names and balance ID to help meet traceability and compliance requirements
- Comes with minimum sample weight indication
- Delivers stable and reliable weighing results for routine weighing tasks
- Fast stabilization time improves productivity in the laboratory
- All models feature external calibration
- Tare range: To capacity by subtraction
- Power requirements: AC Adapter Input: 100-240 VAC 50-60 Hz 0.3A; AC Adapter Output: 12 VDC 0.84A
- Communication: RS232, USB Device, USB Host
- Temperature range: 10° to 30°C (50° to 86°F)
- Humidity range: Maximum relative humidity 80% for temperatures up to 30°C (86°F)
- Display size: 109mm (4.3 in.) (diagonal)
- For 100/240VAC 50/60Hz, 0.3A



Application Modes:

- Weighing
- Percent Weighing
- Parts Counting
- Dynamic/Animal Weighing
- Density Determination
- Check Weighing
- Display Hold
- Totalization
- Formulation

APPLICATIONS:

Laboratory, pharmacy, industrial installation and classroom

COMPLIANCE:

Metrology: OIML R76, EN 45501 (Class I, nmax 320000; Class II, nmax 52000)
 Product Safety: EN 61010-1, IEC 61010-1
 Electromagnetic Compatibility: IEC 61326-1, EN 61326-1 (emissions Class B, immunity industrial requirements)

Weighing Units:

- Gram
- Milligram
- Carat
- Ounce
- Troy ounce
- Pound
- Pennyweight
- Grain
- Newton
- Momme
- Mesghal
- Hong Kong Tael
- Singapore Tael
- Taiwan Tael
- Tical
- Tola
- Baht
- One Custom Unit

INCLUDES:

- RS232 interface
- Integral weigh below hook
- Full housing in-use cover
- Removable stainless-steel pan
- Die-cast metal bottom housing
- Security bracket
- Illuminated up-front level indicator
- Four adjustable feet
- Software lockout menus
- Stability indicator
- Software overload/underload indicators
- User selectable environmental settings
- Audible indicator
- User selectable brightness settings
- Auto dim
- Touchscreen calibration
- Auto tare
- User selectable operating language (nine)
- AC adapter

Cat. No.	Capacity (Metric)	Readability	Test Specificity	Price
S05015	120g	0.1mg	100g, OIML E2 or ASTM Class 1	2531.00/Ea
S05016	220g	0.1mg	200g, OIML E2 or ASTM Class 1	2790.00/Ea
S05017	220g	1mg	200g, OIML F1 or ASTM Class 2	1446.00/Ea
S05018	520g	1mg	500g, OIML F1 or ASTM Class 2	1966.00/Ea
S05020	1520g	0.01g	1500g, OIML F1 or ASTM Class 2	1290.00/Ea
S05021	2200g	0.01g	2000g, OIML F2 or ASTM Class 2	1396.00/Ea
S05022	4200g	0.01g	4000g, OIML F1 or ASTM Class 2	1812.00/Ea
S05023	4200g	0.1g	4000g, OIML F1 or ASTM Class 2	1290.00/Ea
S05024	8200g	0.1g	5000g, OIML F1 or ASTM Class 2	1446.00/Ea

OHAUS™ Adventurer™ Precision Balances, External Calibration

Strikes the ideal balance between inventive features and functional, uncomplicated weighing capabilities. Ohaus Adventurer Precision Balances with external calibration deliver stable and reliable weighing results for routine weighing tasks. With fast stabilization times, these balances improve productivity in the laboratory.

- Metal base
- ABS top housing
- Stainless-steel pan
- External Calibration: traditional calibration in which the operator manually calibrates the balance with their choice of calibration weight value to ensure accuracy available on every model
- Color touchscreen offers easy and fast operation of Adventurer applications
- Operate and access nine application modes and abundant features that eliminate the need to do several manual calculations through the modern color touchscreen
- Operators can wear laboratory gloves while utilizing the touchscreen, eliminating the inconvenience and hazards associated with constantly putting on and removing gloves
- In addition to the touchscreen, Adventurer also has six mechanical keys that provide tactile feedback and allow the operator to perform repetitive operations such as tare, zero, calibration, and print
- Application modes: weighing, dynamic weighing, display hold, parts counting, density determination, totalization, percent weighing, check weighing, formulation
- Real-time clock function keeps accurate time even during power loss and the GLP data capability has the ability to record Sample name, Project names and Balance IDs to help meet traceability and compliance requirements
- Cloning feature allows you to save user and application settings to a USB flash drive which can be easily used to configure additional Adventurer balances
- When using the minimum weight feature, the display clearly indicates that your current sample weight is below your defined minimum limit; simply increase your sample weight to assure that your results are up to your standards
- Space-saving draftshield designed to improve user experience and accessibility
- Additional features include: RS232 interface, integral weigh below hook, full housing in-use cover, removable stainless steel pan, die-cast metal bottom housing, security bracket, illuminated up-front level indicator, four adjustable feet, software lockout menus, stability indicator, software overload/underload indicators, user selectable environmental settings, audible indicator, user selectable brightness settings, auto dim, touchscreen calibration, auto tare, user selectable operating language (nine)



- AC Adapter input: 100-240V 50/60Hz 0.3A
- RS-232, USB Device, USB host

Dual USB Ports

- A front USB host port is easily accessible and makes it simple to load data from the balance on to a flash drive without having to reach around to the back or move the balance
- A second USB device is located at the rear of the balance that can be used to connect the balance to a PC
- The connectivity options help meet traceability requirements in traditional installations

COMPLIANCE:

Product Safety: CSA C22.2 No. 61010-1, UL 61010-1, IEC 61010-1. Electromagnetic Compatibility: FCC Part 15 Class A, ICES-001 Class A, IEC 61326-1 (emissions Class B, immunity Industrial requirements)

Cat. No.	Model	Capacity	Readability	Stabilization Time	Price
S28590	AX423/E	420 g	1 mg	≤2 sec.	1786.00/Ea
S28623	AX422/E	420 g	0.01 g	≤1.5 sec.	1011.00/Ea
S28621	AX822/E	820 g	0.01 g	≤1.5 sec.	1191.00/Ea
S28622	AX2201/E	2.2 kg	0.1 g	≤1.5 sec.	1141.00/Ea



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OHAUS™ Pioneer™ PX Balances

Pioneer PX Balances offers high-accuracy and repeatability for applications in laboratory, industrial and education settings. Feature a second line display for additional information and connectivity for easy communication

- 2 line display; Backlit LCD
- Durable construction
- Communication ports: RS232,USB
- Electrical requirements: Power input: 100–240V ~ 200mA 50–60Hz 12–18VA;
Power output: 12 VDC 0.5A
- Length: 321mm
- Linearity: ± 2 divisions
- Repeatability: ± 1 divisions

INCLUDES: AC power adapter

WARRANTY: 2 year

CERTIFICATIONS/COMPLIANCE:

Electromagnetic Compatibility: IEC/EN 61326-1 Class B, Basic Environments;
FCC Part 15 Class A; Canada ICES-003 Class A, CSA



Cat. No.	Capacity	Readability	Price
<i>With External Calibration</i>			
S72430	82 g	0.0001 g	1690.00/Ea
S72432	120 g	0.0001 g	1947.00/Ea
S72436	160 g	0.001 g	978.00/Ea
S72434	220 g	0.0001 g	2165.00/Ea
S72438	320 g	0.001 g	1143.00/Ea
S72440	520 g	0.001 g	1446.00/Ea
S72442	1600 g	0.01 g	943.00/Ea
S72444	2200 g	0.01 g	1034.00/Ea
S72450	2200 g	0.1 g	875.00/Ea
S72446	3200 g	0.01 g	1250.00/Ea
S72452	4200 g	0.1 g	1014.00/Ea
<i>With Internal Calibration</i>			
S72431	82 g	0.0001 g	1925.00/Ea
S72433	120 g	0.0001 g	2206.00/Ea
S72437	160 g	0.001 g	1207.00/Ea
S72435	220 g	0.0001 g	2432.00/Ea
S72445	220 g	0.01 g	1237.00/Ea
S72439	320 g	0.001 g	1357.00/Ea
S72449	420 g	0.01 g	1639.00/Ea
S72441	520 g	0.001 g	1669.00/Ea
S72443	1600 g	0.01 g	1143.00/Ea
S72451	2200 g	0.1 g	1061.00/Ea
S72454	4200 g	0.1 g	1203.00/Ea
S72447	3200 g	0.01 g	1458.00/Ea

OHAUS™ Valor™ 3000 Xtreme Portable Scales

Compact portioning scales offer high precision and extreme durability for the harshest environments.

High-precision NSF-certified and listed scale with USDA-accepted housing features the accuracy of the Scout™ Pro with precision up to 20,000g. User-selectable filtering, auto-zero tracking and stability settings enable use in drafty, unstable environments.

- Full T304 stainless-steel housing, removable stainless-steel weighing pan
- Corrosion-resistant keyboard, great for areas where harsh chemicals are used
- SmarText™ user interface utilizes bright, backlit LCD plus simple text prompts
- Overload protection rated at 10X capacity
- Percentage weighing mode can automatically compute baker's percentages
- Specific Gravity Mode offers rapid, easy determination without need for manual calculations — great for checking the density and aeration of mixes
- Durable, easy to clean
- Nonslip, adjustable rubber feet
- Waterproof model (S93814) feature full NEMA 4X/IP65 protection and up-front level bubble

Applications

Laboratory, industrial, food service, baking

COMPLIANCE:

EMC Approvals: FCC Class B, Industry Canada, CE.

INCLUDES:

AC wall adapter, load cell lock

CERTIFICATIONS:

NSF, USDA, UL and CE.

WARRANTY:

One year



Specifications

Automation Interface	3 Mechanical switch
Battery Type	4 C
Calibration	Digital external span calibration
Certifications/Compliance	ISO 9001:2008, NSF, USDA/AMS, CE, AS/NZS4251.1 Emission/AS/NZS4252.1 Immunity, FCC Class B Part 15 operation, Industry Canada Class A, cULus, NTEP CoC No. 08-008
Dimensions (L x W x H)	8.5 x 7.3 x 3 in. (21.59 x 18.5 x 7.7cm)
Type	Valor™ 3000 Xtreme portable scale
Display Type	LCD
Electrical Requirements	100/120V 50/60Hz
Format	Gram, kilogram, ounce, pound, fluid ounce
Hertz	50/60Hz
Material	Stainless Steel
Stabilization Time	<3 sec.
Temperature Range (English)	32 to 104°F
Temperature Range (Metric)	0 to 40°C
Voltage	100/120V

Cat. No.	Capacity	Model	Readability	Weight (English)	Price
S93808	200 g	V31XH202/EMD	0.01g	2.6 lb.	725.00/Ea
S93814	13 lb., 6000 g	V31XW6/EMD	1g	3.1 lb.	582.00/Ea

OHAUS™ Hand-Held Scales

Convenient, compact and portable weighing capability in the palm of your hand. OHAUS Hand-Held Scales are small scales with sleek styling and convenient size.

Ideal to take anywhere — throw one in a briefcase or drop one in a backpack.

- 3 x 3 in. (7.6 x 7.6cm) weighing surface
- Protective snap-on cover
- Large LCD display
- Energy-saving auto shutoff
- Auto calibration from keypad



WARRANTY:

One year

Specifications

Battery Type	2 AAA
Calibration	User calibration/auto calibration from keypad
Certifications/Compliance	ISO 9001:2008
Depth (English) Pan	3.26 in.
Depth (Metric) Pan	8.3cm
Dimensions (L x W x H)	5.35 x 3.25 x 0.8 in. (13.6 x 8.3 x 2cm)
Includes	Protective ABS snap-on cover
Type	Hand held series portable balance
Display Type	LCD
Format	Gram, ounce, troy ounce, pennyweight
Length (English) Pan	3.25 in.
Length (Metric) Pan	8.25cm
Material	ABS Plastic
Stabilization Time	3 sec.
Temperature Range (English)	64 to 77°F
Temperature Range (Metric)	18 to 25°C
Weight (English)	0.34 lb.

Cat. No.	Capacity	Linearity	Model	Readability	Price
S65221	0-60g, 60-120g	±0.1, 0.2g	HH120D	0.1, 0.2g	187.00/Ea
S67498	120g	±0.1g	HH120	0.1g	222.00/Ea
S65222	320g	±0.2g	HH320	0.1g	277.00/Ea

Fisher Science Education™ Compact Balances

Economical, dependable and portable.

Rugged housing design provides best overall overload protection and durability in its class. Uniquely designed for a wide variety of applications, these balances feature easy operation, long battery life and great performance.

- Sleek, low-profile design
- Large, high-contrast LCD
- Two-button keypad
- Stackable, for storage with molded stack ring
- Three AA batteries (included) or optional AC adapter

WARRANTY:

One year



Cat. No.	Model	Capacity	Readability	Stabilization Time	Price
S72422	CRF221	220g	0.1g	2 sec.	96.00/Ea
S72423	CRF2200	2200g	1.0g	2 sec.	96.00/Ea
S72424	CRF5200	5200g	1.0g	2 sec.	103.00/Ea

OHAUS™ Cent-O-Gram™ and Dial-O-Gram™ Balances

Support centigram accuracy and encourage student precision. OHAUS Cent-O-Gram and Dial-O-Gram Balance comes with three-point base, special floating bearing principle, and beam design which eliminates need for level adjustment.

- Quick zeroing by means of a zero-adjust knob at beam end
- Built-in specific gravity platform recessed in the base
- Stainless-steel weighing pans and bearing covers prevent rust and corrosion
- Precision-ground knife edges and self-aligning agate bearings provide maximum sensitivity and reproducibility
- Notched beams provide positive positioning of poise
- Magnetic damping slows oscillation



ORDERING INFORMATION:

The Dial-O-Gram (S40027) model replaces the two front beams with a vernier dial for faster reading results.

WARRANTY:

Five years

Specifications	
Capacity	0.6 lb., 300 g
Depth (English)	7 in.
Depth (Metric)	17.78cm
Diameter (English) Outer Pan	3.5 in.
Diameter (Metric) Outer Pan	9cm
Height (English)	9 in.
Height (Metric)	22.86cm
Material	Stainless Steel
Warranty	5 Years
Width (English)	14 in.
Width (Metric)	35.56cm

Cat. No.	Calibration	Depth (English) Pan	Depth (Metric) Pan	Model	Price
S40027	100 × 10g (front, second and third beam), 10 × 0.0	0.5 in.	1.27cm	310-00	306.00/Ea
S40029	1 × 0.01g (front beam), 10 × 1 (second beam), 100	0.27 in.	0.7cm	311-00	337.00/Ea

OHAUS™ Gold Series Pocket Scales

Perfect for weighing jewelry, coins and small parts. OHAUS Gold Series Pocket Scales have large backlit LCD display and external calibration.

- Full-capacity tare range
- Automatic shutoff
- Stability indicator
- Low battery indicator
- Rugged plastic flip-top case
- Weighing platform: 2.50D × 2.63 in.W (6.4 × 6.7cm)
- Dimensions: 2.75L × 3.875W × 0.875 in.H (7.0 × 9.8 × 2.2cm)
- Net weight: 2.7 oz.
- Two AAA batteries included

WARRANTY:

One year

COMPLIANCE:

AS/NZS4251.1 Emission, AS/NZS4252.1 Immunity.

CERTIFICATIONS:

CE



Cat. No.	Capacity	Model	Readability	Price
S93805	500 g, 18 oz.	YA501	0.1g	68.00/Ea
S93806	300 g, 0.6 lb.,	YA302	0.05g	95.00/Ea
S93807	100 g, 0.22 lb.	YA102	0.01g	110.00/Ea

Specifications

Battery Type	2 AAA
Certifications/Compliance	ISO 9001:2008, AS/NZS4251.1, AS/NZS4252.1, CE
Dimensions (L × W × H)	2.9 × 4.3 × 0.79 in. (7.5 × 11 × 2cm)
Includes	Plastic
Type	Gold series pocket scale
Display Type	LCD
Format	Gram, ounce, carat, Grain
Linearity	±3g
Material	ABS Plastic, Stainless Steel
Repeatability	±3g
Temperature Range (English)	50 to 77°F
Temperature Range (Metric)	10 to 25°C
Weight (English)	0.16 lb.
Weight (Metric)	0.076kg

OHAUS™ Pocket Scales

Great performance in a unique yet functional design.

Combination pan and cover slides back for weighing and forward to cover the display and keys for storage or transport. Two mechanical buttons and a crisp LCD enable simple, quick operation.

- Sliding pan and cover protects display and keys; prevents load cell damage in transport
- Smaller size than most pocket scales Fast and easy battery replacement with “pop-out” design
- High-contrast LCD
- Stability indicator
- Overload and underload indicators
- Low-battery indicator
- External digital calibration
- Auto shutoff

INCLUDES:

Two lithium batteries, mounting bracket

Cat. No.	Capacity	Model	Price
S94794A	0.26 lb., 120 g	PS121	72.00/Ea
S94794B	0.55 lb., 250 g	PS251	95.00/Ea



Specifications

Battery Type	2 Lithium
Calibration	Digital external calibration
Certifications/Compliance	ISO 9001:2008
Depth (English)	3.66 in.
Depth (Metric)	9.3cm
Display Type	LCD
Format	Gram, ounce
Height (English)	0.74 in.
Height (Metric)	1.9cm
Linearity	±0.1g
Material	ABS Plastic, Carbon Steel
Readability	0.1g
Repeatability	±0.1g
Stabilization Time	<2 sec.
Temperature Range (English)	65 to 77°F
Temperature Range (Metric)	18 to 25°C
Weight (English)	0.16 lb.

OHAUS™ Triple Beam Balances

Accurate, rugged and dependable. OHAUS Triple Beam Balances have stainless-steel weighing pans and bearing covers which prevent rust and corrosion.

- Precision-cast poises and deep notches in beams for accurate values every time
- Precision-ground knife edges and self-aligning agate bearings for maximum sensitivity and reproducibility
- Accurate with quick response time
- Magnetic damping minimizes oscillation
- Heavy zinc base won't tip easily like cast aluminum

Specifications

- Capacity: 610g (2610g with attachment weights)
- Readability: 0.1g
- Front Beam: 10 × 0.1g
- Middle Beam: 500 × 100g
- Rear Beam: 100 × 10g
- Vernier Dial (Dial-O-Gram™ Model only): 10 × 0.1g
- Pan size: 6 in. dia. (21.2cm)
- Dimensions: 18L × 12W × 9 in.H (45.7 × 30.5 × 22.3cm)

Dial-O-Gram model includes advanced features

- Direct-reading vernier dial for faster weighing results
- Tare beam allows containers up to 225g to be balanced out
- Add rod and clamp accessory (S40022B) to perform specific gravity determinations

Specific Gravity Rod and Clamp

- Suspends balance above base of table to measure specific gravity.



Poly Scoop and Counterweight

- Ideal for retaining all of the object being weighed
- Counterweight returns balance to zero when nothing but the scoop is on the platform
- Stainless-steel scoop and counterweight feature heavy-duty construction for long wear

Note

S40028 features a plastic container

WARRANTY:

Five years

Cat. No.	Model	Capacity	Readability	Pan Type	Price
S40014	760-00	610g	0.1g	Fixed Pan	290.00/Ea
S40020	750-S0	610g	0.1g	Fixed Pan	156.00/Ea
S40021	710-00	610g	0.1g	Removable	282.00/Ea
S40028	730-00	610g	0.1g	Animal Container	414.00/Ea

Fisher Science Education™ Triple Beam Balance

Accurate, durable and easy to use. Fisher Science Education Triple-Beam Balances are designed to demonstrate mass measurement concepts in the classroom and for everyday weighing.

- Stainless-steel pan
- Security loop for lock-down capabilities
- Zero adjust knob
- Magnetic damping
- Designed to stay accurate with everyday use
- Capacity: 21.5 oz. (610g)
- Readability: 0.1g

WARRANTY:

One year



Cat. No.	Description	Price
S97280	Triple Beam Balance	131.00/Ea

OHAUS™ School Balance

Ideal teaching tool to introduce students to precision mass measurement. OHAUS School Balances measure small items such as paper clips, marbles and coins, as well as heavier objects such as books.

- Dual pointers allow students to view results from either side of the balance
- Interchangeable square pans remove for easy pouring, cleaning and storing
- Pivoting beam provides accuracy to 0.5g
- Capacity: 70.5 oz. (2000g)

INCLUDES:

- 18-piece stackable weight set
- Bowl type pans for use in

WARRANTY:

One year



Cat. No.	Depth (English) Pan	Depth (Metric) Pan	Description	Price
S63485	1.25 in.	3.2cm	School Balance	62.25/Ea

OHAUS™ Triple Beam Mechanical Balance

Accuracy and convenience of a toploading balance. OHAUS Triple Beam Mechanical Balance gives students hands-on experience through manipulation of the poises and attachment weights, as well as visualization of mass measurement principles.

- Rugged construction
- Integrated security bracket (cable sold separately)
- Three notched and tiered beams provide ease in reading
- Positive poise positioning ensures repeatable results
- Spring-loaded zero-adjust compensator
- Magnetic damping minimizes oscillation and speeds weighing
- Stainless-steel platform for easy cleaning
- Capacity: 21.5 oz. (610g); with accessory mass set (sold separately), 2610g
- Readability: 0.1g
- Front beam calibration: 10 × 0.1g
- Middle beam calibration: 500 × 100g
- Rear beam calibration: 100 × 10g
- Platform: 6 in. dia. (15.2cm)



ORDERING INFORMATION:

Optional accessories include metric attachment mass set (two 1000g and one 500g), security cable

WARRANTY:

Three years

Cat. No.	Description	Price
S93975	Triple Beam Mechanical Balance	150.00/Ea

OHAUS™ Triple Beam Pro Balance

Accurate, dependable and stylish with superior quality and durability. OHAUS Triple Beam Pro Balance is an ideal learning tool to help visualize mass measurement principles and to emphasize a hands-on learning approach.

- Unique, easy-grip carrying handle is ergonomically designed and perfectly balanced to allow for effortless transportation
- Security features help prevent theft — security loop and Kensington-type lock (cables sold separately)
- Storage compartment stores included attachment weight set when not in use
- Built-in transportation/storage lock minimizes wear and reduces the possibility of bending the damper vane
- Use rod and clamp assembly for below-balance weighing necessary for specific-gravity determinations
- Two notched and tiered beams provide ease in reading
- Positive poise positioning ensures repeatable results
- Spring-loaded, zero-adjust compensator
- Flip-style storage lock to protect from oscillation
- Magnetic damping to minimize oscillation and speed up weighing
- Stainless-steel plate platform: 5.8 × 5.8 in. (7.1 × 7.1 cm)



- Capacity: 2,610g using the included attachment weight set, 610g without weights
- Readability: 0.1g

INCLUDES:

- Attachment weight set
- Rod and clamp assembly

WARRANTY:

10 years, limited

Cat. No.	Description	Price
S97281	Triple Beam Pro Balance	222.00/Ea

OHAUS™ Harvard Trip Balances

Ideal for comparative weighing programs and centrifuge tube balancing. OHAUS Harvard Trip Balances employ a two-pan design based on the classic Roberval balance principle. They are commonly used to determine the difference in mass between two objects, rather than their absolute value.

Standard features include

- Built-in sliding masses
- Magnetic damping
- Stainless-steel weighing platform

Specifications

- Pan size: 6 in. dia. (15.2cm)
- Readability: 0.1g
- Capacity: 70.54 oz. (2000g)
- Top beam: 10 × 0.1g
- Bottom beam (excluding Single Beam model): 200 × 10g

ORDERING INFORMATION:

Weighing up to 2000g can be achieved by using a calibration mass set (S40214A, S40215A).

WARRANTY:

Five years



Cat. No.	Calibration	Model	Description	Price
S40030	10 × 0.1g (top beam), 200 × 10g (bottom beam, tare beam)	1560-SD	Harvard Double Beam Balance	421.00/Ea
S40035	10 × 0.1g (top beam), 200 × 10g (bottom beam)	1550-SD	Harvard Double Beam Balance	403.00/Ea
S40040	10 × 0.1g (top beam)	1450-SD	Harvard Single Beam Balance	376.00/Ea

OHAUS™ Harvard Junior™ Mechanical Balance

Unique design combines colorful, plastic two-pan balance with the durability and accuracy of the more expensive Harvard Trip Balances. OHAUS Harvard Junior Mechanical Balance incorporates precision-engineered metal beam and zero-adjust compensator.

- Interchangeable pans enable a broader range of objects to be weighed
- Stackable platforms maximize storage space
- Built-in transportation/storage lock protects the balance's longevity by eliminating oscillation
- Spring-loaded zero-adjust compensator
- Manual damping device minimizes oscillation and speeds up weighing
- Built-in carrying handle for easy transport around a room or from class to class
- Capacity: 70.5 oz. (2000g)
- Readability: 0.5g



INCLUDES:

- Eight-piece metal mass set (2 × 100g, 2 × 50g, 2 × 25g, 2 × 10g)
- Bowl-type pans for use in weighing round objects
- Teacher-developed, standards-based activity guide with background information and assessment guide with reproducibles

WARRANTY:

Three years

Cat. No.	Description	Price
S97291	Harvard Junior™ Mechanical Balance	127.00/Ea

Troemner™ Stainless-Steel Weight Sets

Economical Stainless Steel Class 7 Weight Set with No Certificate.

Weights are adjusted to tolerances specified by ANSI/ASTM™ Class 7. Each set comes complete with a plastic storage container.



- Fractional masses of 200mg and over are made of stainless steel
- Fractional masses below 200mg are made of aluminum
- Sets with fractional masses include forceps

Cat. No.	Material	Quantity	Price
S40203A	Stainless Steel	21/Set	67.00/Ea
S40214A	Stainless Steel	12/Set	110.00/Ea
S40244A	Stainless Steel	8/Set	27.25/Ea

Eisco Dual Scale Spring Scales

Metric and Newton ranges.

- Polystyrene bodies with large, easily read flat scales
- Provided with zero adjustable device that has an anodized metal scale
- Available capacities: 1N, 2.5N, 5N, 10N and 20N

Cat. No.	Model	Capacity	Price
S04393A	PH0024A	100 g	5.75/Ea
S04393B	PH0024B	250 g	5.75/Ea
S04393C	PH0024C	500 g	5.75/Ea
S04393D	PH0024D	1kg	5.75/Ea
S04393E	PH0024E	2 kg	5.75/Ea



OHAUS™ Pull Type Spring Scales

Designed to stand up to heavy student use and withstand sudden load releases without breaking. Ohaus Pull Type Spring Scales are made from rugged shatterproof plastic and metal. They are color-coded for easy identification of capacity.

- Simple zero adjustment
- Easy-to-read black graduations on a sturdy frosted-aluminum background
- 4.44cm D x 33cm H



ORDERING INFORMATION:

Dial- and pull-type scales are available as well as 8 in. (20.3cm) class demonstration size scales.

Cat. No.	Capacity	Price
S40137	2kg x 50g, 20 x 0.5(N)	22.00/Ea
S40120	250 x 10g, 9 x 0.25 oz.	23.00/Ea
S40123A	500 x 20g, 18 x 0.5 oz.	23.00/Ea
S32121	2000 x 50g, 72 x 2 oz.	23.00/Ea
S40117	250 x 10g, 2.5 x 0.1(N)	22.00/Ea
S40118	500 x 20g, 5 x 0.2(N)	22.00/Ea
S32120	1000 x 25g, 10 x .25(N)	25.00/Ea
S40123C	5kg x 100 g, 50 x 1(N)	22.00/Ea
S401181	100 x 1g, 3.52 x 0.03 oz.	25.25/Ea
S401183	500 x 5g, 17.63 x 0.17 oz.	25.25/Ea
S401184	1000 x 10g, 35.27 x 0.35 oz.	25.25/Ea
S401185	2kg x 50g, 20 x 0.5(N)	25.25/Ea
S63354	1.12 x 0.04 lb., 5 x 0.2(N)	21.00/Ea

OHAUS™ Dial Type Spring Scale

Designed to stand up to heavy student use and withstand sudden load releases without breaking.

- Capacity 50N x 2N (11 lbs)
- Rugged shatterproof plastic and metal construction
- Simple zero adjustment
- Easy-to-read black graduations on a sturdy frosted-aluminum background
- Color-coded styles for easy identification of capacity



ORDERING INFORMATION:

Dial- and pull-type scales are available as well as 8 in. (20.3cm) class demonstration size scales.

Cat. No.	Description	Price
S40140A	Dial Type Spring Scale	78.00/Ea

United Scientific™ Push Pull Scales

For measuring weights, masses and forces.

- Spring scale can be used to measure forces using push or pull functions
- To weigh suspended object from large hook
- Includes zero adjustment screw and metal suspension ring
- Available in six color-coded sizes
- Color: Brown; other colors sold separately (see website)



Cat. No.	Graduation (English)	Description	Price
S04532B	0.2N	Push Pull Scale	10.25/Ea

United Scientific™ Aluminum Spring Scales

Constructed of anodized aluminum, with steel hooks

- Constructed of anodized aluminum
- With steel hooks
- Durable



Cat. No.	Capacity	Graduation (English)	Color	Price
S04533	1N, 100g	0.02N	Black	6.50/Ea
S04533B	5N, 500g	0.1N	Green	6.50/Ea
S04533C	10N, 1000g	0.2N	Brown	6.50/Ea
S04533D	20N, 2000g	0.5N	Red	6.50/Ea
S04533F	50N, 5000g	1N	Gold	7.70/Ea

OHAUS™ Security Device for Pioneer™ and Explorer™ Series Balances

For use with Pioneer and Explorer series balances.

- Includes cable and lock.



Cat. No.	Description	Price
S40046C	Security Device	77.50/Ea

Troemner™ Hooked Stainless-Steel Weight Sets and Individual Weights

Weights can be hooked together at top and bottom.

The design of the hook weight allows the bottom hook to be recessed in the bottom so the hook weights can be set on a flat surface.



- Adjusted to tolerances specified by ANSI™/ASTM™ Class 7
- Density: 7.85g/cm³ at 20°C
- Weight sets are supplied in an open plastic storage case

Cat. No.	Description	Weight (Metric)	Price
S40302A	Metric Hook Weight	10g	18.50/Ea
S40304A	Metric Hook Weight	50g	19.25/Ea
S40305A	Metric Hook Weight	100g	20.75/Ea
S40306A	Metric Hook Weight	200g	16.50/Ea
S40307A	Metric Hook Weight	500g	38.25/Ea
S40300A	Metric Hook Weight	10g to 1kg	160.00/Ea
S40210A	Newton Hook Weight Set	10N, 5N, 1N, 0.5N, 0.1N, 2N, 0.2N	169.00/Ea

Troemner™ Slotted Stainless Steel Weight Sets

Designed to stack on weight hanger.



- Adjusted to tolerance specified by ANSI™/ASTM™ Class 7
- Weights 500g through 10g are 7.85g/cm³ at 20°C
- Weights 5g through 1g are 2.7g/cm³ at 20
- Weights 500g through 10g are 303 Stainless Steel
- Weights 5g through 1g are 3003-H14 Aluminum°C

ORDERING INFORMATION:

Weight hanger available separately (Cat. No. S97603A).

INCLUDES:

Weight rack with carrying handle to stack and hang slotted weights

Cat. No.	Description	Quantity	Price
S40256A	500g, (2) 200g, 100g, 50g, (2) 20g, 10g	8/Set	130.00/Ea
S40381A	500g, (2) 200g, 100g, 50g, (2) 20g, 10g, 5g, (2) 2g, 1g	12/Set	177.00/Ea

Troemner™ Slotted Stainless-Steel Weight Hanger

For use with slotted stainless-steel sets and individual weights.

- Weight hanger is calibrated to 50g



Cat. No.	Description	Price
S97603A	Weight Hanger	21.00/Ea

United Scientific™ Hooked Weight Sets

Perform experiments and calibrations with an accurate set of weights. The Hooked Weight Set features individually calibrated weights made of high quality stainless steel.



- Individually calibrated weights made of high quality stainless steel
- Comes with a sturdy plastic storage block

Cat. No.	Description	Price
S23983	One each of 5g, 10g, 50g, 100g, and 500g, plus two each of 20g and 200g Weights	64.25/Ea
S23984	One each of 5g, 10g, 50g, 100g, 500g, and 1000g, plus two each of 20g and 200g Weights	91.00/Ea
S23985	(1) 200g, (2) 100g, (3) 50g, and (4) 20g Weights	39.75/Ea

9-Piece Hooked Weight Set

Quality accurately calibrated weight set with case

Nine Piece Hooked Weight Set with two cast iron hooked weights (1000g, 500g), seven brass hooked weights (two 200g, one 100g, one 50g, two 20g, one 10g), and case



Cat. No.	Description	Price
S24634	9-Piece Hooked Weight Set	89.00/Ea

United Scientific™ Black Enamel Hooked Weight Set

Cast iron weights with black enamel finish can be hooked in tandem.



Set contains nine weights:

One each of

- 10g
- 50g
- 100g
- 500g
- 1000g

Two each of:

- 20g
- 200g

Cat. No.	Description	Price
S96418	Hooked Weight Set	60.75/Ea

Disposable Aluminum Dishes

Withstand temperatures up to 677°C (1250.6°F).

- Designed for weighing, dispensing and storing
- Can be used as evaporating dishes or as dust covers
- With crimped sides for rigidity and a smooth bottom

ORDERING INFORMATION:

Sold in packs of 100.



Cat. No.	Capacity (Metric)	Diameter (Metric) Inner Top	Price
S40283	20mL	4.39cm	15.25/Pk
S40284	50mL	5.84cm	15.50/Pk
S40285	70mL	6.85cm	41.50/Pk



FISHER SCIENCE EDUCATION:
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Disposable Polystyrene Weighing Dishes

Easy-grip contour sides for nonslip handling.

Perfect for staining or destaining electrophoresis mini-gels.

- A pouring spout can be formed by squeezing
- Shape ensures its flexibility on a balance platform
- Smooth surface and rounded corners make powdered or granular samples easy to remove
- Case of 500



Cat. No.	Length (Metric)	Width (Metric)	Height (Metric)	Price
S40291	4.4cm	4.4cm	0.95cm	36.00/Cs
S40292	8.3cm	8.3cm	1.9cm	47.75/Cs
S40293	13.97cm	13.97cm	2.2cm	93.00/Cs

Nitrogen-Free Weighing Papers

Sturdy and nonabsorbent.

- Supports sample
- Smooth texture avoids trapping of material
- Will not absorb moisture
- Sold in packs of 500
- Packaged in 4 mil poly bag for extra protection



Cat. No.	Description	Price
S402881	4 × 4 in. (100 × 100mm)	19.75/Pk
S402871	3 × 3 in. (76 × 76mm)	10.50/Pk

fisherbrand Polystyrene Weighing Dishes

Ideal for weighing, dispensing or storing applications.

- Contaminant-free, antistatic and biologically inert
- Resist dilute acids, aqueous solutions, alcohols and bases
- Flat bottoms resist tipping
- Made from 12mil thick polystyrene for better strength, stability and handling ease
- Disposable
- Height: 1 in. (2.54cm)
- Case of 500



Cat. No.	Length (Metric)	Width (Metric)	Price
S67090A	88.9mm	88.9mm	58.00/Cs
S67091A	139mm	139mm	88.00/Cs

Centrifuges

MiniSpin™ Personal Microcentrifuge

Extremely compact, with a small footprint to save valuable bench space.

- 12-place rotor holds tubes from 1.5 to 2.0mL (adapters for 0.5mL tubes available)
- Spin speed: variable up to 13,400rpm (12,100 × g)
- Quiet operation to benefit work environment
- Fast acceleration and braking times of <13 seconds
- Easy-to-use digital display indicates time and speed
- Set adjustable timer from 15 seconds to 30 minutes
- Use separate “Short-Spin” key for fast, convenient quick spins Excellent airflow minimizes heating and protects temperature-sensitive samples
- Lid automatically opens at end of run to prevent sample warming and reduce handling time

ORDERING INFORMATION:

9.4L × 8.9W × 4.7 in. H
(23.9 × 22.6 × 11.9cm). For 115V.

COMPLIANCE:

Meets international centrifuge safety standards IEC 1010-2-020.



WARRANTY:

Two-year

Cat. No.	Description	Price
S65960	Personal Microcentrifuge	1754.00/Ea

fisherbrand accuSpin™ Micro 17 Microcentrifuge

Compact, economical high-speed microcentrifuge, ideal for nucleic acid research and other microliter volume separations.

- Easy-to-use controls with digital display
- Adjustable 99-minute timer and quick-spin feature for short runs
- Memory retains last setting for repeatable runs
- Supplied with rotor and biocontainment lid
- Capacity: 48mL (24 × 1.5/2.0mL tubes)
- Maximum speed/RCF: 13,300rpm/17,000 × g
- 9.5L × 8.9W × 13.8 in. H
- 120V/60Hz
- Refrigerated modal 17R temp. range: -9° to 140°C

ORDERING INFORMATION:

Replacement microliter rotor, lid and optional 4 × 8 PCR rotor available separately.

WARRANTY:

One year, parts and labor



Cat. No.	Description	Price
S98645	Micro 17 Microcentrifuge	2228.00/Ea
S39740	Micro 17R Microcentrifuges	6063.00/Ea

fisherbrand Mini-Centrifuges

Ideal for microfilter cell separations and HPLC samples.

- Features exclusive quick-release rotor for fast and easy changes
- Internal safety switch ensures unit will not operate without lid in place
- Removable cord for compact storage

Standard Mini-Fuge

- Maximum speed: 6000rpm
- Max RCF: 2000G
- For 100/240V

High Speed Mini-Centrifuge

- Capacity: 12 × 1.5/2.0mL tubes
- Ventilated
- Max. Speed: 12,500rpm

INCLUDES:

- Two easy change, tool-free rotors: Six-place standard rotor for 1.5/2mL tubes, Eight-place strip rotor for two 0.2mL tube strips or 16 single tubes
- Six 0.2mL and six 0.5mL adapters for customized use



- Storage Case — Keeps rotors and adapters contained and dust-free
- Tube Rack — Convenient for handling samples before and after quick spins

Cat. No.	Description	Price
S67601B	Standard Mini-centrifuge	520.00/Ea
S67601C	High-Speed Mini Centrifuge	810.00/Ea

RS-200 Microcentrifuge

Spins 0.2, 1.5, or 2.0mL tubes from 2000 to 10,000rpm.

- Imbalance detection system prevents damage to samples or centrifuge
- Easy-change rotor includes 16-position 1.5/2.0mL rotor
- Four 8 × 2.0mL strip rotors are also available
- Easy-load rotor allows tubes to be loaded and unloaded in a vertical position while spinning at a 45° angle
- Forced-air ventilation assures specimens, rotor, and motor stay cool, even during extended runs
- Features a high-efficiency permanent magnet DC motor; rapid slowdown, from 10,000rpm to zero in approximately 20 seconds
- Oversized 8mm shaft will not bend from abuse or imbalance
- Automated switching circuit allows operation from 100 to 230VAC

Safety and Specifications:

- Compact, efficient rounded shape saves on bench space
- Tough, high-impact housing will not dent, rust, or chip
- Durable polycarbonate cover allows complete rotor and tube visibility
- Oversized soft rubber base efficiently absorbs vibration and noise transmitted to work surface
- Interlock switch cuts power until cover is locked in place
- Double electrically insulated construction
- Grounded power cord
- Digital timer: 60 min.
- Power requirements: 100 to 230VAC, 60Hz, 1.5A
- Dimensions: 7.5 dia. × 9 in.H (19 × 22.9cm)
- Speed selections: Off/Pulse/2000 to 10,000rpm
- RCF: 1735 to 6238



WARRANTY:

Two years, repair or replacement

Cat. No.	Description	Price
S90305B	RS-200 Microcentrifuge	520.00/Ea

Edvotek™ Piccolo™ Centrifuge

The Piccolo Microcentrifuge is ideal for quick spin downs, micro-filter cell separations and cell pelleting. It is compact, easy to use and comes with a host of extras.

- Speed: 6400rpm; Relative force: 2046 × g
- Small footprint and quiet operation
- Palm-shaped lid, suitable for left or right handed users allows quick extraction of tubes
- Ideal for microcentrifuge tubes
- SnapSpin rotors are tool-free for a fast and easy exchange. Change out rotors with the push of a button
- Weighted rubberized base eliminates potential movement and further dampens vibration and noise
- Powered by 12V DC, includes double insulated worldwide power adapter, 110V to 240V, supplied with 4 different plugs for power adapter
- Maintenance free
- Easily cleaned

INCLUDES:

- 6 place 1.5/2.0mL tube rotor
- 16 place 0.2mL tube rotor (singles, or 2 × 8 strip)
- 6 tube adapters 0.2mL
- 6 tube adapters 0.5mL
- 4 o-rings
- Storage case for rotors and adapters
- Tube rack
- Low voltage, double insulated power adapter with 4 interchangeable plugs



WARRANTY:

One-year warranty

COMPLIANCE:

SGS-US-C, CE, CB Scheme, RoHS 2, PSE, and WEEE Compliant

Cat. No.	Description	Price
S05661	Piccolo Centrifuge	438.00/Ea

OHAUS™ Frontier™ 5306 Mini Centrifuge

OHAUS Frontier 5306 is powerful and convenient mini centrifuge for simple and rapid liquid separation. Frontier 5306 also has quick release design in which rotors can be removed and installed without use of any tools.

- Capacity: 8 × 1.5/2mL tubes
- Max Speed/RCF: 6000rpm/2000x G

Quiet Operation:

- Low voltage power input, quiet motor, and rubber base that absorbs vibrations
- Keeps operational noise to minimum and reduces disruptions in laboratory

Protective FEATURES:

- Many safety attributes, including low voltage power input, sturdy lid
- Two safety switches which immediately stop rotors, lid open while in rotation
- Imbalance sensor also stops centrifuge if rotors become imbalanced or sudden shock occurs
- Protects operator from being injured by high-speed spinning rotors

Simple One-Step Operation:

- Takes simple operation to new level
- Place sample in centrifuge, close lid, and system begins to rotate after switching on
- Not even one button press is needed in order to separate your sample



Cat. No.	Description	Price
S43248	Mini Centrifuge	191.00/Ea

OHAUS™ Frontier 5000 Series Micro Centrifuges

Smooth and dependable High-Speed Microliter Centrifuge for Life Science Separation Applications



- Capacity 4 × 8place PCR strips
- Max Speed/RCF 15,200rpm/21,953 × g
- Model S72185 is refrigerated -20° to 40°C (-4° to 104°F)
- Easy-to-Use Control Panel that Supports Simple Operation—The intuitive control panel with rotary knob puts the centrifuge's simple operations at your fingertips, including the ability to set and recall speed.
- Sophisticated Technology that Drives High-Performance—A powerful brushless induction motor, 10 acceleration and deceleration settings, and memory for up to 99 commonly-used parameters are a few of Frontier's features that propel high-performance.
- Safety Features that Protect Against Injury—Among Frontier's safety attributes are a motorized lid locking system and a rotor imbalance sensor that stops the centrifuge if the rotors become imbalanced or sudden shock occurs, protecting the operator from the high-speed spinning rotors.
- Seven Rotor Sizes that Provide Flexibility for Varied Centrifugation Needs—Compatible with seven different rotors, more than any centrifuge in its class, the highly-versatile Frontier can be used for various applications of different volumes.
- For 120V



REQUIRES:

Customer Selected Rotor
(see pg 310)

WARRANTY:

2 years

Cat. No.	Description	Price
S72184	Model Number FC5515	2655.00/Ea
S72185	Model Number FC5515R	5729.00/Ea

Micro 12™ High Performance Microcentrifuge

Very quiet and simple to use. Perfect for small volume separations.

- Brushless motor – maintenance free
- Exceptionally quiet
- Extremely small footprint
- High maximum speed (14,000rpm/16,000 × g)
- Unique airflow patterns keeps samples cool
- Cold room compatible
- 18 × 1.5/2.0mL rotor
- Easy to use control panel
- Rotor easily removed
- 120V 50/60 Hz



Cat. No.	Description	Price
S35879	Micro 12 Centrifuge	1768.68/Ea

E8 Centrifuge

Features auto-brake to stop rotor in less than 30 seconds.

- Maximum Speed: 3500rpm
- Quiet, vibration-free operation
- Angled rotor, 8-tube capacity
- Holds 3mL to 15mL size tubes
- Maintenance-free motor 12V DC
- Proper separations without cell damage
- Clear view port in lid for using tachometer
- Suction-cupped feet prevent slipping
- Auto-switching power adapter
- Lid safety shut-off switch
- For 110/230V



Cat. No.	Description	Price
S14187	E8 Centrifuge	541.00/Ea

Thermo Scientific™ mySPIN™ Mini Centrifuge

Bring increased efficiency and user comfort to your lab.

Tool-free rotors and quick-spin options make them fast and easy to use. Benefit from a compact footprint that fits into your workstation and ergonomic design that stands out. Ideal for microfilter cell separation and HPLC protocols, with the mySPIN 12 centrifuge also supporting PCR, as well as clinical and diagnostic applications.

- Capacity: 12 × 2mL
- Compact footprint
- Easy operation
- Low noise, low vibration
- Tool-free, quick rotor exchange
- Imbalance and tilt safety cutoff, as well as safety interlock lid designed to prevent opening while rotor is turning
- Flexibility: ideal for most protocols
- Ability to perform fast spins with higher RCF requirements
- Back-lit, customizable display that can be set for rpm or RCF



Applications:

- mySPIN 12 centrifuge is ideal for most protocols requiring fast spins (12,500rpm/9,800 × g), and appropriate for PCR, microfilter cell separation, and HPLC protocols

Cat. No.	Description	Price
S28435	mySPIN™ 12 Mini Centrifuge	1185.00/Ea

OHAUS™ Frontier 5000 Series Multi Centrifuge

Frontier™ 5706 is a small benchtop multi-function centrifuge ideal for a multitude of spin-down applications. Characterized by reliability, various safety features and the ability to accommodate test tubes of various sizes, Frontier 5706 was designed to meet the basic needs for liquid separation.

- Capacity: 6 × 50mL
- Max speed/RCF: 6000rpm/4427 × G
- For 120/220V 50/60Hz
- Extremely Simple and Intuitive Operation—With an easy-to-turn control knob, a large LCD display and the capabilities to set and view both speed in rpm and g-force, obtain precise results and enhanced functionality from this easy-to-use centrifuge.
- Compatibility with Test Tubes of Various Sizes—Frontier 5706 can accommodate all standard tube sizes from 1.5mL to 50mL, providing centrifugation for a wide variety of applications. It also has a large capacity, and can hold six 50mL tubes and twelve 15mL tubes during one process.
- Several Safety Features—Among Frontier 5706's safety attributes are a sturdy mechanical lid with locking system and a rotor imbalance sensor that stops the centrifuge if the rotors become imbalanced, protecting the operator from the high-speed spinning rotors.



REQUIRES:
Customer Selected Rotor
(see pg 310)

WARRANTY: 2 years

Cat. No.	Description	Price
S72193	Model Number FC5706	1990.00/Ea

OHAUS™ Frontier 5000 Series Multi Pro Centrifuges

Powerful and versatile universal centrifuge for virtually every lab application



Powerful Platform Offers Maximum Flexibility for a Range of Applications

- Our multi-purpose centrifuges offer a high-speed centrifugation platform which can be customized to fit workflow needs using a wide variety of rotors and accessories.

Intuitively Designed for User-Friendly Operation

- The intuitive design of the centrifuges & accessories enable easy access to parameter settings, and quick rotation between applications. Features include automatic rotor recognition and backlit LCD.

Solid Engineering Ensures Reliability and Durability

- The performance of these centrifuges is propelled by German engineering, and high-quality components for reliable use. Constructed of chemical-resistant stainless steel to ensure durability in lab use.

Increased Safety With Built-in Protective Features

- Frontier 5000 Series is equipped with protective features, including automatic over-speed protection, imbalance detection and self-diagnostic system to ensure reliable use and operator safety.

All Models:

- For 120V 50/60Hz
- Rotor required (sold separately)
- Two-year warranty

FC5714 - Ventilated

- Capacity: 4 x 100mL
- Max speed: 18,624rpm
- MaxRCF: 4427 x g



FC5718 - Ventilated

- Capacity: 4 x 100mL
- Max speed: 18,000rpm
- MaxRCF: 23,542 x g



FC5718R - Refrigerated

- Capacity: 4 x 100mL
- Max speed: 18,000rpm
- MaxRCF: 23,542 x g



FC5816 - Ventilated

- Capacity: 6 x 250mL
- Max speed: 15,000rpm
- MaxRCF: 21,379 x g



FC5816R - Refrigerated

- Capacity: 6 x 250mL
- Max speed: 16,000rpm
- MaxRCF: 24,325 x g



For rotors see page 310

Cat. No.	Description	Price
Standard		
S72197	Model number FC5714	3072.00/Ea
S72207	Model number FC5718	4464.00/Ea
S72219	Model number FC5816	5200.00/Ea
Refrigerated		
S72236	Model number FC5816R	7895.00/Ea
S72218	Model number FC5718R	6673.00/Ea

OHAUS™ Rotors

For use with Ohaus Frontier 5000 Series Microcentrifuges.

- Two-year Warranty.



Cat. No.	Capacity	Model	Features	Angle	Max Speed (rpm)	Max RCF (x g)	For Ohaus Centrifuge Model	Price
Fixed-Angle Rotors								
S72208	4 × 8-Place	R-A4xPCR/15I	For PCR Strips	45°	15,000	15,343	FC5718; FC5718R	1884.00/Ea
S72190	4 × 8-Place	R-A4xPCR/15I	For PCR Strips	45°	15,000	15,342	FC5515; FC5515R	1678.00/Ea
S72215	4 × 85mL	R-A4x85/12MI	High-speed, for round-bottom tubes	30°	12,000	14,809	FC5718; FC5718R; FC5816; FC5816R	2129.00/Ea
S72214	6 × 50mL	R-A6x50/13MI	High-speed, for round-bottom tubes		13,000	15,869	FC5718; FC5718R; FC5816; FC5816R	1810.00/Ea
S72195	6 × 50mL	R-A6x50/6M	For Round-bottom or conical tubes	40°	6000	4427	FC5706	964.00/Ea
S72202	6 × 50mL	R-A6x50/6MI	For Round-bottom tubes	40	6000	4427	FC5714; FC5718; FC5718R	904.00/Ea
S72216	6 × 85mL	R-A6x85/14MI	For round-bottom tubes	25°	13,000	21,726	FC5718; FC5718R	2086.00/Ea
S72217	6 × 85mL	R-A6x85/13MI	High-speed, for round-bottom tubes		13,500	20,984	FC5714; FC5718; FC5718R; FC5816; FC5816R	2060.00/Ea
S72220	6 × 250mL	R-A6x250/8MI	For flat-bottom tubes	28°	8000	10,016	FC5816; FC5816R	3693.00/Ea
S72211	10 × 50mL	R-A10x50/10MI		38°	10,500	16,022	FC5718; FC5718R; FC5816; FC5816R	2643.00/Ea
S72210	12 × 1.5/2.0mL	R-A12x2/18MI		40°	18,000	23,542	FC5718; FC5718R	1307.00/Ea
S72200	12 × 1.5/15mL	R-A12x15/6M	32° pitch; for round-bottom tubes	32°	6000	4427	FC5714; FC5718; FC5718R; FC5816; FC5816R	914.00/Ea
S72189	12 × 5mL	R-A12x5/14MS	Sealable	45°	14,500	19,978	FC5515; FC5515R	1429.00/Ea
S72194	12 × 15mL	R-A12x15/6MI	For Round-bottom or conical tubes	32°	6000	4427	FC5714; FC5718; FC5718R	545.00/Ea
S72213	20 × 10mL	R-A20x10/12MI	High-speed, for round-bottom tubes	30°	12,000	15,775	FC5718; FC5718R; FC5816; FC5816R	1863.00/Ea
S72206	24 × 1.5/2.0	R-A24x2/16MI	Sealable	45°	16,000	24,325	FC5714; FC5718; FC5718R; FC5816; FC5816R	1078.00/Ea
S72186	24 × 1.5/2.0mL	R-A24x2/16MI	45° pitch	45°	15,200	21,953	FC5515; FC5515R	716.00/Ea
S72187	24 × 1.5/2.0mL	R-A24x2/15MS	Sealable	45°	15,200	21,953	FC5515; FC5515R	954.00/Ea
S72198	24 × 1.5/2.0mL	R-A24X1.5/2.0ML_ID			16,000	24,325	FC5714; FC5718; FC5718R; FC5816; FC5816R	814.00/Ea
S72199	30 × 1.5/2.0mL	R-A30x15/4MI	Sealable	35°	14,000	20,595	FC5714; FC5718; FC5718R	1456.00/Ea
S72188	30 × 1.5/2.0mL	R-A30x2/13MS	Sealable	45°	13,500	19,150	FC5515; FC5515R	1279.00/Ea
S72201	30 × 15mL	R-A30x15/4MI	For Round-bottom tubes	35°	4500	2830	FC5714; FC5718; FC5718R; FC5816; FC5816R	1408.00/Ea
S72212	44 × 1.5/2.0mL	R-A44x2/16MI	Sealable	32°/55°	16,000	24,039	FC5718; FC5718R; FC5816; FC5816R	1107.00/Ea
S72209	64 × 0.5mL	R-A64x0.5/13I	Sealable	40°	13,500	16,289	FC5718; FC5718R	1322.00/Ea
Swing-Out Rotors								
S72203	2 × 3 MTP	R-S6xMTP/4MI	For microplates	0°- 90°	4500	2716	FC5714; FC5718; FC5718R; FC5816; FC5816R	1810.00/Ea
S72196	6 × 5mL	R-S6x5/4	Aluminum body; for Round-bottom tubes	0°- 90°	4000	1817	FC5706	647.00/Ea
S72204	4 × 100mL	R-S4x100/5MIS	Sealable	0°- 90°	5000	3885	FC5714; FC5718; FC5718R	1047.00/Ea
S72205	4 × 100mL	R-S4x100/4MI		0°- 90°	4500	3350	FC5714; FC5718; FC5718R	1242.00/Ea
S72230	4 × 250mL	R-S4x250/4ML		0°- 90°	4500	3780	FC5714; FC5718; FC5718R	1497.00/Ea
S72235	16 × 50mL	R-S16x50/4MI		0°- 90°	4500	3735	FC5816; FC5816R	2219.00/Ea
Hematocrit Rotor								
S72192	24 × Capillaries	R-A24xCAP/12	With cover	90°	12,000	14,970	FC5515; FC5515R	616.00/Ea

Eisco Hand-Operated Bucket Centrifuges

Accommodates 2 or 4 15mL tubes. Made with die cast parts, a steel pinion, and worm drive. Designed as an economical alternative to electrical centrifuges. This centrifuge must be attached to a lab bench using the built in the screw clamp when in use. Removable crank handle.



- Attaches to lab bench or table with built-in screw clamp

INCLUDES:

Centrifuge, screw clamp, removable crank handle, plastic buckets,

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Description	Price
S40584	2 Buckets	74.75/Ea
S40585	4 Buckets	42.25/Ea

Dry Blocks, Incubators, and Ovens

fisherbrand Isotemp™ Digital Dry Baths/Block Heaters

Increase lab versatility with a range of configurations with interchangeable modular blocks for a variety of application needs.

- Digital controls and display of time and temperature
- Advanced internal temperature sensing probe for outstanding temperature accuracy and control
- Precise temperature control with PID circuit
- Temperature calibration enables to offset the temperature to desired value
- Timer allows the user to accurately monitor the heating time
- Wide range of interchangeable aluminum alloy heat blocks provide versatility and allow for easy cleaning and disinfecting
- Powder-coated steel body construction ensures durability
- Built-in over-temperature protection device warrants sample and user safety
- Temperature deviation adjustment
- Temperature range: 30° to 130°C
- Time to max. temperature: ≤20 min.
- for 100/120V 50/60Hz



Applications:

Sample preparation, enzyme preservation, enzyme-substrate reactions, DNA amplification, electrophoresis gel degeneration and serum coagulation

WARRANTY:

2-year Thermo Fisher Scientific standard, limited warranty. Contact your sales representative for details.

Cat. No.	Description	Price
S28681	Single Block Digital Dry Bath Block Heater	466.00/Ea
S28682	Dual Block Digital Dry Bath Block Heater	519.00/Ea
S28683	4 Block Digital Dry Bath Block Heater	625.00/Ea

fisherbrand Blocks for Isotemp™ Digital Dry Baths/ Block Heaters



- Aluminum blocks in assorted sizes for a variety of applications

Sized by Tube Diameter

Cat. No.	Diameter (Metric)	No. of Places	Price
S30223	6mm	46	82.00/Ea
S30224	10mm	28	87.00/Ea
S30227	13mm	24	88.00/Ea
S30228	16mm	15	105.00/Ea
S30229	18mm	12	108.00/Ea
S30230	20mm	8	84.00/Ea
S30231	25mm	6	86.00/Ea

Conical Tube Blocks

Cat. No.	Description	Price
S30240	Conical Bottom 15 × 15mL Block	356.00/Ea
S30241	Conical Bottom 4 × 50mL Block	368.00/Ea

Plate Blocks

Cat. No.	Description	Price
S30233	1 × 96-well Elisa Block	74.75/Ea
S30242	1 × 96 0.2mL Non-Skirt PCR Plate Block	203.00/Ea
S30243	1 × 96 0.2mL Half/Full Skirt PCR Plate Block	226.00/Ea



Sized by Tube Capacity

Cat. No.	Capacity (Metric)	No. of Places	Price
S30225	1.5mL	28	81.00/Ea
S30226	2.0mL	28	82.00/Ea
S30232	0.5mL	40	91.00/Ea
S30238	15mL	15	185.00/Ea
S30239	50mL	4	191.00/Ea

Mixed Blocks

Cat. No.	No. of Places	Sizes	Price
S30234	32	6mm/10mm	110.00/Ea
S30235	18	11.5mL/2.0mL	116.00/Ea
S30236	3	22mm/13mm/6mm	148.00/Ea
S30237	30	0.5mL/0.2mL	155.00/Ea

OHAUS™ Dry Block Heaters

Designed for applications that require repeatable results and superior temperature stability.

Dry block heaters require modular blocks, sold separately.

- Ideal for incubation and activation of cultures, enzyme reactions, immunoassays, melting/boiling points and a wide variety of other laboratory procedures
- Temperature range: Ambient 5° to 120°C (Digital Models); Ambient 5 to 150 C (Analog Models)
- Integral support rod holder with locking knob accepts optional external temperature probe kit
- Accept separate interchangeable modular blocks (sold separately), accommodating various tube sizes from 0.2mL microtubes to 50mL centrifuge tubes
- Each block has a thermometer well for measuring block temperature (blocks sold separately)
- Efficient heater features close tube-and-block contact with a low-density design for exceptional temperature uniformity
- With microprocessor control, LED display, audible alarm, temperature calibration mode (Digital Models)

APPLICATIONS:

Denaturing proteins, DNA applications, ELISA and other immunoassay studies

⚠ ALERTS:

To avoid possible electrical hazard, do not fill well or block opening with water or other fluids. Unit is designed as a dry bath/incubator.



Cat. No.	Capacity	Electrical Requirements	Heat Up Time	Price
Digital Models				
S38783	2 Blocks	120V, 0.9A, 110w	45 min.	449.00/Ea
S38782	1 Block	120V, 1.7A, 210w	50 min.	541.00/Ea
S72095	4 Block	120V 50/60Hz	23 min	700.00/Ea
S72096	6 Block	120V 50/60Hz	30 min	1055.00/Ea
S72097	2 Blocks with heated lid	120V 50/60Hz	30 min	1150.00/Ea
Analog Models				
S38781	2 Blocks	120V 50/60Hz	45 min.	336.00/Ea
S38780	1 Block	230V 50Hz	50 min.	436.00/Ea
S72093	4 Block	120V 50/60 Hz	23 min	635.00/Ea
S72094	6 Block	120V 50/60 Hz	30 min	950.00/Ea

OHAUS™ Modular Blocks and Accessories

Constructed from solid anodized aluminum block.

Modular blocks are sold separately from heaters.

- Close contact of tubes-to-block-walls allow for maximum heat retention
- Each block has a thermometer well for measuring block temperature

⚠ ALERTS:
To avoid possible electrical hazard, DO NOT fill well or block with water or other liquids. Units are designed as a dry bath/incubator.



Cat. No.	Depth (Metric) Well	Diameter (Metric) Well	Description	Sample Type	Price
S38773	4.5cm	1.97cm	Vial Block	19mm Vial	146.00/Ea
S38774	4.8cm	1.75cm	Test Tube Block	15/16mm Tube	146.00/Ea
S38775	4.8cm	1.07cm	Test Tube Block	10mm Tube	146.00/Ea
S38776	4.76cm	2.9cm	Centrifuge Tube Block	50mL Tube	146.00/Ea
S38777	4.45cm	1.71cm	Centrifuge Tube Block	15mL Tube	146.00/Ea
S38778	1.35cm	----	Titer Plate Block	Titer Plate	298.00/Ea
S38779	3.91cm	1.1cm	Microcentrifuge Tube Block	1.5mL Tube	146.00/Ea

Thermo Scientific™ Heratherm™ Compact Microbiological Incubators

Extremely small footprint, making it ideal for personalized workspace or for crowded labs with small sample volumes.

- Temperatures at or below ambient: 17° to 40°C (62.6° to 104°F)
- High temperature accuracy
- Easy-to-use interface
- Internal light and window in door facilitates sample observation
- Temperature uniformity of ±1.2°C (measured at 37°C [98.6°F])
- Temperature stability of ±0.2°C (measured at 37°C [98.6°F])
- Capacity: 4.8 gal. (18L)
- For 100-240V 50/60Hz; US cable/plug



CERTIFICATIONS:

cCSAus, CE marked

Cat. No.	Description	Price
S04313	Compact Microbiological Incubators	750.00/Ea

fisherbrand Basic Microbiological Incubators

For basic incubation applications.

- Ideal for microbiological incubation and heated storage
- Maximum temperature 75°C
- Single set point digital control
- Inner glass door for minimal disturbance while viewing samples
- Stackable, no tools or kit required
- Access port standard
- Stainless Steel interior
- 2 year parts and labor warranty
- cCSAus certified
- For 120V



CERTIFICATIONS: cCSAus

Cat. No.	Capacity (Metric)	Dimensions (D x W x H) Interior	Price
S42808	75 L	414 x 354 x 508mm (16.3 x 13.9 x 20.0 in.)	1628.00/Ea
S42809	117 L	414 x 464 x 608mm (16.3 x 18.3 x 23.9 in.)	1818.00/Ea

Fisher Scientific™ Isotemp™ Microbiological Incubators

Precise, repeatable, thriving incubation

- Outstanding temperature uniformity and stability to keep samples at desired condition
- Wide temperature range: ambient +5°/10° to 75°C
- Intuitive and easy-to-use microprocessor controller
- Automatic over temperature alarm—no operator settings required
- Low air exchange provides minimal drying out of samples—ideal for long experiments
- On/off timer
- Corrosion resistant stainless steel interior with smooth corners for easy cleaning†
- Easy-to-clean rounded interior edges, designed to reduce contamination risks
- Flexible shelving with no tools required to set up, adjust or remove
- Small external dimensions per chamber size reduce required bench space
- For 120V 60Hz

Construction Features:

- Stainless-steel exterior provides a clean professional look with surface that avoids fingerprint smudges
- Readily stackable same-size units Access port with silicone plug for independent data logging or for using small equipment inside the unit
- Flexible shelving system with different positions to optimize chamber space
- Large easy-to-view fluorescent display with intuitive microprocessor controller
- Internal glass door for undisturbed sample viewing

CERTIFICATIONS:

cCSAus certified

WARRANTY:

2 year parts and labor



Cat. No.	Description	Price
S28669	60L, Forced-Air	2206.00/Ea
S28670	100L, Forced-Air	3136.00/Ea
S28668	180L, Gravity Convection	2374.00/Ea

fisherbrand Mini Low Temperature Incubator

Ideal for small-volume incubation applications

- Capacity: 18L
- For 100/240V 50/60 Hz
- Temp range: 17° to 40°C
- Space saving design, ideal for small volumes of samples
- Peltier heating and cooling for a wide range of applications
- Easy to use digital controller
- Internal light
- Includes 2 Stainless Steel shelves
- 2 year warranty
- cCSAus certification



Cat. No.	Description	Price
S42807	Mini Low Temperature Incubator	660.00/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Economy Lab Incubator

Trouble-free design heats up to 93°C (199.4°F).

Welded double-wall construction is sturdily reinforced to withstand rugged environments. Interior is aluminum with an ivory powder-coated exterior finish.

- Automatic thermocontrol
- One adjustable and one fixed shelf
- Full-length, piano-type hinge
- Fiberglass insulation
- Scratch-proof rubber feet
- Positive door latch

Specifications:

- Capacity: 0.7 cu. ft. (20L)
- Exterior: 11L x 13W x 15 in.H (28 x 33 x 38cm)
- Interior: 10D x 12W x 10 in.H (25.4 x 30.5 x 25.4cm)
- 115VAC, 50/60Hz, 250w
- Weight: 30 lb. (13.6kg)

INCLUDES:

- Nontoxic spirit thermometer
- 6 ft. (1.8m) cord with plug

CERTIFICATIONS: UL/CUL listed.

Cat. No.	Description	Price
S50441A***	Economy Lab Incubator	612.00/Ea



Incubators

See-through door allows for visual inspection without heat loss.

Designed for laboratories that need a compact unit for cultures, test kits, eggs and biologicals. Double-wall insulated construction and heat controller keep temperature uniformity $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$).

- Capacity: 2 cu. ft. (56.4L)
- See-through tinted acrylic door allows you to view entire work space without opening door
- Exterior walls are rolled steel with baked-on powder-coated enamel finish
- Interior aluminum chamber has one adjustable and one fixed chrome-plated shelf
- Front panel features amber "in use" indicator light and illuminated red ON/OFF push-button
- Come with nontoxic spirit laboratory thermometer



CERTIFICATIONS:

UL/CUL listed.

Cat. No.	Description	Price
S521081***	19.7 L	532.00/Ea
S50909***	56.4 L	600.00/Ea

Specifications

Controller Type	Bimetal
Convection Type	Light pressure thermal
Temperature Range (Metric)	2 to 62°C
Temperature Uniformity	$\pm 0.5^{\circ}\text{C}$
Display	Color Graphic Display
Includes	Non-toxic spirit thermometer
Insulation	Fiberglass
Material (Internal)	Aluminum

Digital Incubators

Dependable, compact, digital incubators for cultures, test kits, eggs and biologicals.

For clinical, industrial and school laboratories, physicians' offices and as a general-purpose warming cabinet.

- Microprocessor control maintains accurate settings within 0.5°C (0.9°F)
- UL/CUL listed
- Temperature tracking stores maximum process temperature deviation from set point in 0.1° units
- Maintain maximum temperatures up to 62°C (143.60°F) accurately and uniformly
- Chrome-plated adjustable shelf (six or 12 positions) and fixed bottom shelf
- See-through tinted acrylic door
- Ivory baked-on powder-coated enamel exterior
- For 110V



Cat. No.	Capacity	Temperature Range (Metric)	Price
S68782A***	2 cu. ft., 56L	+2 to 62°C	1000.00/Ea
S68781A***	0.7 cu. ft., 20L	2 to 62°C	850.00/Ea

* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

Professional Line Incufridges

Professional Line Incufridge custom programmed to specific time and temperature protocols.

Wi-Fi enabled

- Allows for critical data logging to be securely stored in cloud, no expensive software needed
- Allows for control and monitoring of the Incufridge remotely
- Alert notifications

FEATURES:

- Can be custom programmed to specific time and temperature protocols
- Easy to use color touch screen
- Cools, heats or provides ambient environment
- Vibration free cooling system
- Settings stored in case of power failure
- Precision: $\pm 0.7^{\circ}\text{C}$, uniformity $\pm 1.0^{\circ}\text{C}$
- Clear inner see-through door
- Door lock for valuable samples
- RS-IF-233pro model may be used to store or transport samples while working in the field
- Temperature range: 1° to 75°C

APPLICATIONS:

- Yeast and mold
- Milk testing
- QC samples/biological indicators
- Hybridizations
- Water/wastewater testing
- BOD testing
- Cell culturing



Cat. No.	Capacity (Metric)	Interior Dimensions (D x W x H)	Exterior Dimensions (D x W x H)	Electrical Requirements	Price
S28415	33L	41.9 x 30.4 x 26cm (16.5 x 12 x 10.25 in.)	58.4 x 38.1 x 39.3cm (23 x 15 x 15.5 in.)	120-240V, 50-60Hz, 150W, 12VDC	1245.00/Ea
S28416	33L	41.9 x 30.4 x 26cm (16.5 x 12 x 10.25 in.)	58.4 x 38.1 x 39.3cm (23 x 15 x 15.5 in.)	120-240V, 50-60Hz, 150W, 12VDC	1766.00/Ea
S28417	53L	41.9 x 30.4 x 41.9cm (16.5 x 12 x 16.5 in.)	58.4 x 38.1 x 54.6cm (23 x 15 x 21.5 in.)	120-240V, 50-60Hz, 150W	2344.00/Ea
S28418	73L	41.9 x 30.4 x 57.1cm (16.5 x 12 x 22.5 in.)	58.4 x 38.1 x 69.8cm (23 x 15 x 27.5 in.)	120-240V, 50-60Hz, 300W	3546.00/Ea

fisherbrand Gravity Oven

For basic drying and heating applications

- Ideal for drying or heating applications
- Maximum temperature 250°C
- Over-temperature protection
- Manually adjustable damper for increased air circulation
- Digital controller
- Stainless-steel interior
- Painted steel exterior
- Capacity: 105L
- For 120V 60Hz
- $22 \times 25 \times 32$ in.



Cat. No.	Description	Price
S22520	Gravity Oven	1365.00/Ea

Lab Drying/Sterilizing Ovens

Well-crafted, gravity-convection ovens are versatile for a number of laboratory uses.

Can be used in drying, sterilizing, baking, evaporating, heat-treating, annealing and testing.


- Uniform temperature up to 232°C (450°F)
- Durable, scratch-resistant finish and double-wall construction
- Welded steel interior chambers feature two adjustable and one fixed chrome-plated shelves
- All heating elements are sheathed and interconnecting wiring is simple
- Indicator light and thermostat for trouble-free maintenance
- For 120V



INCLUDES:

- Laboratory thermometer
- Cord with grounded plug

Cat. No.	Capacity (Metric)	Amperage	Depth (English) Interior	Price
S43015***	85L	12.5A	14 in.	935.00/Ea
S50171***	36L	5.2A	10 in.	551.00/Ea
S50170A***	56.6L	10.5A	12 in.	910.00/Ea
S50172***	19.8L	6.3A	13 in.	680.00/Ea

 * California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Digital Laboratory Gravity Convection Ovens

Easier to accurately set than analog ovens.

- Digital microprocessor control
- Gravity convection
- Durable double wall construction
- Scratch resistant hammer finish
- Corrosion resistant aluminized interior
- Made with UL and CSA recognized components
- For 115V



Cat. No.	Capacity (Metric)	Amperage	Wattage	Dimensions (D x W x H) Interior	Price
S13044***	85L	12.5A	1500w	(14 x 18 x 21.8 in.)	1206.00/Ea
S13041***	19.8L	5.2A	600w	(10 x 12 x 10 in.)	825.00/Ea
S13042***	36L	6.3A	750w	(13 x 13 x 13 in.)	951.00/Ea
S13043***	56.6L	10.5A	1200w	(12 x 18 x 15.6 in.)	1040.00/Ea

Thermo Scientific™ Muffle Furnaces

Ideal for the determination of volatile and suspended solids, drying and evaporating, ignition tests, gravimetric analysis, ashing organic and inorganic samples and heat treatment operations.

Furnaces feature a latching handle on a door that opens downward to provide a handy shelf.

- Stepless input controller holds any temperature from 100 to 1,100°C
- Direct reading pyrometer has °C and °F scales
- All models are compensated for room temperature variations and molded with ceramic fiber insulation, offering excellent chemical stability and resistance to corrosive agents
- A door safety switch safeguards operator
- Durable, welded steel case
- Two sizes available



INCLUDES:

Thermocouple and line cord with plug for 120V, 50/60Hz

CERTIFICATIONS:

UL listed

Cat. No.	Description	Price
S52106	14 in.	2455.00/Ea
S52107	14.5 in.	2925.00/Ea

Hotplates and Stirrers

OHAUS™ Ergonomic Basic Mini Auto Stirrer and Hotplate-Stirrer

Compact units stir up to 1000mL of liquid.

- New Ergonomic Design
- Ideal for educational labs
- Supplied with 183cm (72 in.), 3-wire cord and plug and 3.8cm (1.5 in.) PTFE coated stir bar
- For 120V 50/60Hz, 0.5A
- Capacity: 1000mL
- Speed: 100 to 1200rpm



Mini Basic Stirrer

- Ceramic (10.2 x 10.2cm) top plate does not heat up
- Features motor and magnet for consistent stirring
- Built in support rod holder
- 20w

Mini Auto Stirrer

- Activates automatically by minimum weight of ~50 grams (1.75 oz.)
- Stirring stops when mixing vessel is removed
- 20w

Mini Hotplate-Stirrer

- Max temperature: 400°C
- Boils 300mL of water in 18 minutes
- Ceramic top plate 10.16 x 10.16cm (4 x 4 in.) for even heating surface
- 585w

Mini Hotplate

- Heats to 500°C

WARRANTY:

2-Year

CERTIFICATIONS:

TUV

Cat. No.	Description	Price
S38788	Mini Auto Stirrer	237.00/Ea
S38791	Mini Basic Stirrer	190.00/Ea
S38790	Mini Heater/Stirrer	359.00/Ea
S38792	Mini Hotplate	215.00/Ea

* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

fisherbrand Mini-Stirrer

Large diameter top minimizes spill risks, making it ideal for student use.

- Variable speed from 0 to 1650rpm
- 6 dia. × 3 in. high (15.2 × 7.6cm)
- Front-mounted, stepless control knob
- Strong aluminum top plate with baked enamel finish
- Large stirring surface reduces spill risks
- Includes stirring bars and support clamp (for mounting on lattice or other support)

ORDERING INFORMATION:

For 115V



Cat. No.	Description	Price
S50450Q	Mini-stirrer	318.00/Ea

fisherbrand Hotplates, Stirrers and Hotplate/Stirrers

Heat from 150° to 590°C (302° to 1094°F); reach maximum temperature in minutes.

Hotplate/Stirrers

- Reflective white ceramic top plate resists alkalis and acids and cleans easily; drip edge guards against spills
- Durable die-cast aluminum base
- Built-in ring stand holder
- Three-wire grounded cord
- HOT TOP indicator light alerts when top plate is too hot to touch For 120V 60Hz
- Variable analog speed control from 100 to 1200rpm – stir up to 0.52 gal. (2L) water
- Instant-on at 100rpm ensures smooth, safe, low-speed operation
- Come with support rod mount and PTFE-coated stir bar

Ceramic-Top Magnetic Stirrers

- Variable speed control from 100 to 1400rpm
- Instant-on feature ensures uniform low-speed stirring at 100rpm
- Quiet-running, direct-drive motor
- Reflective, porcelain-coated stainless-steel top surface with drip edge protects internal components from spillage
- Durable die-cast aluminum housing for durability and long life
- Supplied with three-wire grounded cord and plug and PTFE-coated stir bar
- For 120V 60Hz

COMPLIANCE:

CSA approved

WARRANTY:

Three years



Cat. No.	Dimensions (L × W × H)	Surface Area (English)	Price
Hotplates			
S50462CH	8.25 × 5.25 × 4.38 in. (21 × 13 × 11.1cm)	4 × 4 in.	395.00/Ea
S504631H	11.5 × 8.5 × 4.5 in. (29.2 × 21.2 × 11cm)	7 × 7 in.	420.00/Ea
Hotplates/Stirrers			
S50466CSH	8.25 × 5.25 × 4.38 in. (20.9 × 13 × 11.12cm)	4 × 4 in.	445.00/Ea
S50467CNSH	11.5 × 8.5 × 4.5 in. (29.21 × 21.59 × 11.43cm)	7 × 7 in.	440.00/Ea
Stirrers			
S504503AS	8.5 × 5.25 × 4.38 in. (21.6 × 13.3 × 11.1cm)	4 × 4 in.	320.00/Ea
S504501AS	11.5 × 8.5 × 4.5 in. (29.2 × 21.6 × 11.4cm)	7 × 7 in.	369.00/Ea

fisherbrand Isotemp™ Hotplates

Experience exceptional safety and temperature performance for your routine protocols.

Available in three sizes, providing flexibility from microscale chemistries to production operations.

Advanced technology

- Strong magnetic coupling
- Temperature adjustable in 1 degree increments
- HOT TOP warning system designed to protect from accidental burns with prominent display when heating surface is above 50°C (122°F)
- Automatic over-temperature protection

Flexible, robust design

- Top plate choices in ceramic or aluminum
- Raised display design protects electronics from spills
- Optional temperature probe and splash guard protection shield
- Variable sizes for different sample volumes
- For 110/120V 60Hz

INCLUDES:

- Stirring hotplates (S28663, S28665) include stir bar.

WARRANTY:

Three years



Cat. No.	Description	Price
S43492	Hotplate, 4.25 × 4.25 in.	263.00/Ea
S43495	Stirring Hotplate, 4.25 × 4.25 in.	392.00/Ea
S28662	Hotplate, 7.25 × 7.25 in.	314.00/Ea
S28663	Stirring Hotplate, 7.25 × 7.25 in.	528.00/Ea
S28664	Hotplate, 10.25 × 10.25 in.	436.00/Ea
S28665	Stirring Hotplate, 10.25 × 10.25 in.	636.00/Ea
S14365	Ceramic Top, 7.25 × 7.25 in.	502.00/Ea

fisherbrand Isotemp™ Advanced Stirring Hotplate

Ideal for nucleic acid and protein hybridizations; eliminates need for water baths and heat sealers

Intuitive design

- 7.25 × 7.25 in.
- Ceramic top plate
- Max temp.: 450°C
- Stirring Range: 50 to 1500rpm
- Raised display design protects electronics from spills
- Ability to set programs (ramp/dwell) as well as save settings
- Includes stainless-steel PT100 temperature probe, stir bar, supporting rod and clamp kit
- Optional splash guard protection shield

Advanced technology

- StirTrac features innovative engineering for slow-speed stirring, consistent speed control, and stronger magnetic coupling
- HOT TOP warning system designed to protect from accidental burns with prominent display when heating surface is above 50°C (122°F)
- Temperature adjustable in 1°C increments except when using temperature probe then ability to control in 0.1 degree increments below 100°C
- 13 × 8 × 4 in.
- For 100/120V 50/60Hz, US



Cat. No.	Description	Price
S28482	Advanced Stirring Hotplate	904.00/Ea

Thermo Scientific™ Cimarec™ Basic Stirring Hotplates

Combine performance and economy with the sleek, rugged design of these basic stirring hotplates, ideal for general-purpose stirring at speeds up to 2500rpm.

FEATURES:

- Maximum temperature reached in under 8 minutes
- Control knobs allow precise temperature and speed control
- Solid ceramic top plate cleans easily, resists acids and alkalis
- New top-plate design reduces chance of breakage
- Spillaway design diverts spills away from internal components
- Integral ring-stand holder accommodates 0.5 in. (1.3cm) diameter support rod
- For 120V 60Hz
- Hotplates heat from 150° to 538°C
- Stirrers speed from 1000 to 2500rpm

INCLUDES:

- TFE-coated stir bar

WARRANTY:

Three years



Cat. No.	Description	Price
S28653	Hotplate, 4.25 × 4.25 in.	258.00/Ea
S28654	Stirrer, 4.25 × 4.25 in.	282.00/Ea
S28655	Stirring Hotplate, 4.25 × 4.25 in.	429.00/Ea
S28656	Hotplate, 7.25 × 7.25 in.	278.00/Ea
S28657	Stirrer, 7.25 × 7.25	474.00/Ea
S28658	Stirring Hotplate, 7.25 × 7.25 in.	461.00/Ea

Thermo Scientific™ Cimarec+™ Hotplates and Stirring Hotplates Series

Get precise stirring control, exceptional safety and temperature performance for your routine protocols.

Our Thermo Scientific™ Cimarec+ hotplate series offers precise stirring control, exceptional safety and temperature performance for your routine protocols. The Cimarec+ Series are available in three sizes, providing flexibility from microscale chemistries to production operations.

Advanced technology

- Stir-Trac features innovative engineering for slow-speed stirring, consistent speed control, and strong magnetic coupling
- Temperature adjustable in 1 degree increments
- Hot Top warning system protects from accidental burns with prominent display when heating surface is above 50°C (122°F)

Flexible, robust design

- Top plate choices in ceramic or aluminum
- Easy-to-read LED display for heating and stirring except for 4x4 has heating display only
- Raised display design protects electronics from spills
- Optional temperature probe and splash guard protection shield
- Variable sizes for different sample volumes
- For 120V



Cat. No.	Description	Top Plate Size	Price
S28874	Ceramic Hotplate	4 × 4 in.	297.00/Ea
S28875	Ceramic Stirring Hotplate	4 × 4 in.	456.00/Ea
S28877	Aluminum Stirring Hotplate	7 × 7 in.	534.00/Ea
S28432	Ceramic Hotplate	7 × 7 in.	322.00/Ea
S28433	Ceramic Stirring Hotplate	7 × 7 in.	561.00/Ea
S28878	Ceramic Hotplate	10 × 10 in.	480.00/Ea
S23627	Ceramic Hotplate	10.25 × 10.25 in.	735.00/Ea

Thermo Scientific™ RT2 Hotplate Stirrers

Low-profile hotplate stirrer

- Hot top warning indicator
- Built-in temperature shut-off at 450°C
- User-configurable temperature limit setting
- Temperature Range: 50° to 350°C
- Aluminum body
- 120V, 60Hz, US plug
- Capacity: 20L
- 600W
- Nonslip heating bath (optional)
- Transparent safety shield (optional)

Basic Hotplate Stirrer

- Analog display
- Speed: 50 to 2000rpm
- Supporting rod (optional) for flexibility in configuring test equipment and accessories

Advanced Hotplate Stirrer

- Digital control with PT100 sensor
- Microprocessor PID temperature control
- Three user-selectable temperature control modes: Optimal Mode, Fast Mode, and Slow Mode
- Two-user selective timer to display actual and set value simultaneously
- Speed: 30 to 2000rpm
- Temperature probe provides real-time media temperature detection.



WARRANTY:

Two years

CERTIFICATIONS/COMPLIANCE:

CE, cCSAus

Cat. No.	Description	Price
S08001HS	Basic Hotplate Stirrer	737.00/Ea
S08002HS	Advanced Hotplate Stirrer	963.00/Ea

Thermo Scientific™ Utility Hotplate

Durable hotplate heats rapidly and maintains constant temperature.

Stepless temperature control accurate to $\pm 3^{\circ}\text{C}$ ($\pm 37.4^{\circ}\text{F}$) over temperature range.

- Demand-type thermostat gives fast heatup by utilizing full power until the set temperature is reached, then cycles to hold the temperature
- Embedded heating elements
- Baffled, welded stainless-steel housing
- Top plate dimensions: 6.4L x 6.4 in.W (15.9 x 15.9cm)
- Overall dimensions: 7.8L x 6.7W x 4.4 in.H (19.5 x 16.8 x 11cm)

ORDERING INFORMATION:

For 120V 50/60Hz, 6.2A

CERTIFICATIONS:

UL listed



Cat. No.	Description	Price
S50429Q	Utility Hotplate	481.00/Ea

Troemner™ Mini Hotplates, Stirrers and Hotplate/Stirrers

Ergonomic compact units, ideal for educational labs.

Hotplate models for general heating, boiling, chemical reactions, evaporations, digestions, dissolving reagents/buffers/media, concentrations, oil baths, dissolutions and general mixing.

Stirring models for titrations, dissolutions, general mixing and dissolving buffers/reagents/media.

- Aluminum top plate
- Built-in support rod holder
- Hotplate models have embedded heating elements
- For 120V 50/60 Hz



Cat. No.	Description	Capacity	Max. Temp.	Speed Range	Top Plate	Price
S14175	Hotplate	1000mL	400°C (fixed)	N/A	Rectangular - 12 × 12cm	172.00/Ea
S14173	Hotplate/Stirrer	1000mL	400°C	100 to 1200rpm	Circular - 13cm dia	250.00/Ea
S14172	Hotplate	1000mL	400°C	N/A	Rectangular - 5 × 5 in.	195.00/Ea
S14176	Stirrer	1000mL	N/A	100 to 1200rpm	Circular - 5 in dia.	193.00/Ea
S14174	Hotplate/Stirrer	1000mL	375°C	100 to 1200rpm	Rectangular - 5 × 5 in.	411.00/Ea
S97270	Hotplate/Stirrer	1000mL	400°C	100 to 1200rpm	Rectangular - 17 × 15cm	456.00/Ea

fisherbrand SmartLine Ceramic-Top Digital Stirring Hotplate



Uses advanced microprocessor technology to control temperature and stirring speed. Samples are heated to the selected temperature quickly and accurately.

Compact and powerful vortex mixer with touch function.

- Ceramic top plate
- Digital display
- Speed: 200 to 1500rpm
- Temp Range: 40° to 380°C
- Capacity: 2.5L
- Heating area: 5.25 sq. in.
- For 120V 60Hz, 5A

INCLUDES:

Detachable electric plug and one magnetic stirring bar.

WARRANTY:

2 Years

CERTIFICATIONS:

CE



Cat. No.	Description	Price
S29042	Stirring Hotplate	231.00/Ea

Corning™ Hotplates with Digital Displays

Digital displays provide easy-to-read LED temperature.

Digital temperature display is adjustable in 5° increments and indicates when set temperature has been achieved. Microprocessor-controlled feedback technology maintains consistent repeatable temperature.

- Bright LED icons for POWER and HOT TOP light up when top plate is over 60°C (140°F)
- Separate temperature sensor provides power cutoff if unit overheats
- Small footprint and a low profile conserve lab space
- Fit comfortably inside hoods or storage cabinets
- Glass-ceramic Pyroceram™ top cleans easily and resists scratches, corrosion and chemicals
- Two-piece casing deflects spills away from internal components
- Built-in support-rod mount for temperature probe
- Heating range: 5° to 550°C (41° to 1022°F)
- Electrical requirements: 120V 60Hz

WARRANTY: Two years

CERTIFICATIONS: UL listed



Cat. No.	Description	Size	Price
5 × 7 in. Ceramic Top Plate			
S90870A	Hotplate	5 × 7 in.	374.00/Cs
S90870B	Stirrer	5 × 7 in.	447.00/Cs
S90870C	Hotplate/Stirrer	5 × 7 in.	647.00/Cs
10 × 10 in. Ceramic Top Plate			
S90870D	Hotplate	10 × 10 in.	626.00/Cs
S90870E	Stirrer	10 × 10 in.	703.00/Cs
S90870F	Hotplate/Stirrer	10 × 10 in.	837.00/Cs

Corning™ Hotplates, Hotplate/Stirrers and Stirrers

Rugged units are designed for convenience, safe operation and chemical resistance.

- Microchemistry-sized, space-saving design with low profile fits benchtops and hoods easily
- Microprocessor electronics and extra-large knobs with numbered markings provide superb heating and/or stirring control
- High-visibility glass-ceramic Pyroceram™ top cleans easily and resists scratches, corrosion and chemicals
- Bright LED lights allow user to see operating status at a glance
- Enclosed electronics design protects components and prolongs product life
- Two-piece casting deflects spills away from internal components
- Built-in support rod mount for thermometer, electrode, or buret
- Surface area: 10.2 × 12.7cm (4 × 5 in.)
- For 120V 50/60Hz

Heating FEATURES:

- Top provides fast uniform heating
- Temperature Range: 25° to 550°C (77° to 1022°F)
- Microprocessor ensures minimum heat-up times for samples by supplying maximum power to the heating elements when cold
- HOT TOP indicator warns when top surface is >60°C (>140°F), even when unit is shut off

Stirring FEATURES:

- Stirring range: 60 to 1100rpm
- Long-life motor
- Microprocessor automatically adjusts motor strength to any solution



INCLUDES:

Comprehensive instruction manual

WARRANTY: Two years

COMPLIANCE:

Meet UL, CUL, IEC 1010, CE/GS standards

CERTIFICATIONS: UL Listed

Cat. No.	Dimensions (L × W × H)	Description	Price
S50442HP	4.4 × 5.8 × 7.3 in. (11.17 × 14.73 × 18.54cm)	Hotplate	334.00/Cs
S50446HP	4.4 × 5.8 × 7.3 in. (11.17 × 14.73 × 18.54cm)	Stirrer/Hotplate	632.00/Cs

Corning™ Scholar™ PC-170 Hotplate



- Economical and efficient choice for classroom heating needs
- Compact 5 × 5 in. design minimizes wasted bench space
- Features a white enameled steel top for maximum heat conduction
- Operates on 120V/60Hz to meet needs in North America and other locations with similar requirements
- Dual heat shields ensure the outer case remains cool to the touch
- UL/CUL approved
- One-year warranty
- Temperature range: 25° to 360°C (77° to 672°F)
- For 120V

Cat. No.	Description	Price
S50441	Scholar PC-170 Hotplate	208.00/Ea

fisherbrand Soft Glass Rods

With rounded and fire-polished ends.

- Constructed of glass
- A stirring rod is used to mix chemicals and liquids for laboratory purposes
- Packs of 72



Cat. No.	Diameter (English)	Diameter (Metric)	Length (English)	Length (Metric)	Price
S63449	0.19 in.	5mm	7.87 in.	200mm	32.00/Pk
S63448	0.19 in.	5mm	5.9 in.	150mm	28.00/Pk
S63447	0.11 in.	3mm	4.92 in.	125mm	22.25/Pk
S63450	0.23 in.	6mm	9.84 in.	250mm	52.50/Pk

fisherbrand Octagon Spinbar™ Magnetic Stirring Bars

Octagon magnetic stirring bars with integral pivot ring are the most commonly used shape for stirring small volumes in vessels such as vials, tubes and gradient makers.

Particularly useful for environmental testing and life science applications in which small sample volumes need to be prepared and evaluated.



- Alnico magnet encapsulated in FDA Grade, USP Class VI Teflon™ PTFE low friction coating;
- Constructed of durable and inert materials; Autoclavable
- Interrupted profile provides greater surface area and added turbulence when compared to the smooth surface of cylindrical bars
- Pivot ring aids in reducing friction and chattering (S71738 does not have a pivot ring)
- Manufactured in a registered ISO 9001:2008 facility, as verified by SGS certification
- White
- Octagonal shape

CERTIFICATIONS: USP Class VI, ISO 9001:2008, SGS

Cat. No.	Diameter (Metric)	Length (Metric)	Price
S68073	0.8cm	1.6mm	5.20/Ea
S68072	8mm	12.7mm	5.15/Ea
S68069	8mm	25.4mm	5.55/Ea
S68070	8mm	38mm	6.20/Ea
S68071	9.5mm	50.8mm	11.00/Ea

fisherbrand Magnetic Spinbar™ Retrievers

Reach down drains for lost bars.

- 0.38 in. (9.5mm) dia. polyethylene pick-up rod
- With powerful Alnico magnet sealed in one end
- Handy hang-up grip on other end



Cat. No.	Description	Price
S5039812	12 in.	17.25/Ea
S5039818	18 in.	27.00/Ea



Microscope Capabilities

We're proud to provide you with a complete portfolio of microscopes and accessories from the brands you know and trust. And if you need assistance selecting the right microscope for your classroom, our sales representatives are here to help.

Visit fisheredu.com/microscopes for additional information and to explore our complete product offering.

Budget-Friendly Microscopes

If you're looking to stretch your budget, we can help. Check out our microscope clearance center for deep discounts on select products.

Visit fisheredu.com/clearancescopes to learn more.



MICROSCOPES: BEFORE YOU BUY



Microscope Type

Compound

- Most common type of microscope
- Use light transmitted through specimens for observation
- Typically used to view slide-mounted specimens
- Offer high-power magnification, a narrow field of view, and a short working distance

Inverted

- Special type of compound microscope
- Illuminate samples from above and below
- Can be used to view living cells or organisms in a petri dish or culture flask
- Allow you to observe specimens with minimal disturbance

Stereoscopic

- Magnify specimens using reflected light rather than transmitted
- Useful for large, thick specimens such as plants, rocks, collectables, and other similar items
- Provide a lower magnification, wider field of vision, and a longer working distance

Features

Digital

- Standard microscope with a digital camera built into the head
- Have various outputs such as USB or HDMI that can connect to your computer or tablet
- Typically come with imaging software that allows you to capture images, generate video clips, and more

Traditional

- Non-digital microscope
- Can be converted to a digital microscope with the same suite of outputs and software options by purchasing of an eyepiece camera

Illumination

LED

- Provides a bright, white light, giving specimens a more natural appearance
- Most energy efficient form of illumination and quickly becoming the most popular
- Favored for portable and rechargeable microscopes
- Gives off less heat to help minimize the effect on the environment for living specimens

Halogen

- Provides a very bright, white light, giving specimens a natural appearance
- Gives off more heat than LED and is therefore not an ideal light source for living specimens
- Often used in high-end research microscopes

Tungsten

- One of the least expensive types of illumination
- Produces a yellowish light and a good amount of heat
- Can distort colors and the heat can be detrimental to living specimens

Stage Options

Fixed

- A pair of clips hold a slide in place
- Requires the user to push the sample around the stage manually

Mechanical

- Allows the stage to be moved along with the specimen
- Designed for a specific type of movement or observation
- Frequently used for point counting and patterned observation
- Gentler on the specimen than manually moving the sample

Eyepieces

Monocular

- Single eye piece with one tube
- Most economical option, but also causes the most strain and discomfort to the user when used for long periods of time

Binocular

- Two eyepieces for more natural viewing
- Eyepieces are typically focused independently
- Most common and comfortable viewing configuration

Dual View

- Two monocular eyepieces placed at different angles
- Intended for two people to observe the same sample simultaneously

Trinocular

- Binocular microscope with a third eye tube pointing upwards
- Third tube is designed for the introduction of a camera

Optics

Field of View

A microscope will often distort the field of view based on the optics of the lens. There are three classes of optics based on the amount of distortion seen within the tube of the microscope. As a rule of thumb, lenses with a higher level of distortion will be less expensive.

Achro

- 60% of the field of view will be in focus
- Remaining edges will require refocusing

Semi-Plan

- 80% of the field of view will be in focus
- Remaining edges will require refocusing

Plan

- Entire field of view will be in focus
- Considered the best quality objectives

Focus Distance

Finite

- Traditional optical system with fixed mechanical tube length
- Lower light gathering ability and contrast than modern, infinity corrected optical systems, but is less expensive

Infinity

- More modern optical system
- Extends the mechanical tube length by creating parallel beams of light
- Used with different forms of light filtering and contrast such as illuminators and polarizers

Condensers

Shapes the cone and angle of the light, controlling the size of the illumination and the contrast.

Abbe

- Most common condenser
- Typically used for microscopes that focus at less than 400x
- Usually has controls to adjust both the distance and the diameter of the illuminating light

Aplanatic

- Corrects the beam of light for spherical aberration
- Prevents the light from focusing at slightly different points on the lens and reducing the sharpness of the image

Achromatic

- Corrects the beam of light for color aberration
- Prevents different colors from focusing at different points and causing the colors to bleed

Dark Field

- Blocks the unscattered light from the source
- Results in an image where the specimen is bright and the surrounding, empty space is dark

Phase Contrast

- Uses the light beam to show the differences in the refractive index
- Commonly used to study crystal structure

Microscopes and Accessories

Fisher Science Education™ Tablet Imaging System

Tablet Imaging Systems are ideal for high school and college classrooms



Optical System

- Finite or infinity optical system
- Reliable, long-life LED illumination
- Inward facing 4 turret nosepiece

Viewing Head

- Siedentopf Trinocular head with 30° incline and 360° rotation
- Left eyepiece diopter adjustment +/-5°
- Interpupillary adjustment distance of 54 – 75mm
- 0.5x C-mount adapter
- 8 inch Display
- 2MP Color CMOS camera
- Intuitive user interface
- Android Operating System

Focusing

- Coaxial coarse and fine focus
- Tension adjustment
- 36mm adjustment range
- Fine focus 0.0002mm
- Rack stops protect objectives

Stage

- Smooth, accurate mechanical stage operation
- Convenient 110mm x 125mm stage with ±30mm x ±75mm movement range

Condenser

- Fixed Abbe Condenser with filter holder
- NA 1.25 with iris diaphragm

Frame

- Rugged, durable metal frame construction
- Cord hanger
- Rocker on/off switch

Illumination

- Eco-friendly and energy efficient 3W LED illumination
- Dimmer control for light intensity
- 110/220V

DISCLAIMERS:

For the specifics on a particular model, see the specification table located at the bottom of the page of that individual model



WARRANTY:
Limited Lifetime Warranty

Cat. No.	Magnification Power	Objective Types	Price
S72556	40X, 100X, 400X, 1000X	Semi-Plan 4X, 10X, 40X, 100X	1532.00/Ea
S72557	100X, 200X, 400X, 1000X	Plan Achromat	1764.00/Ea
S72558	40X, 100X, 400X, 1000X	Plan Phase	2588.00/Ea
S72559	40X, 100X, 400X, 1000X	High Contrast	1610.00/Ea

Fisher Science Education™ Advanced High School Series Upright Microscopes

Upright Microscope with compact, lightweight design and superior optical quality, is ideal for high school classrooms



Optical System

- Finite optical system
- Inward facing 4 position turret nosepiece with click stops
- 4X, 10X, 40X, 100X(oil) Achro objectives
- 10X WF with 18mm FOV & Pointer eyepiece

Focusing

- Coaxial coarse & fine focusing adjustment
- Tension adjustments
- Fine focus drive movement of 0.002mm divisions
- Rack stop adjustment for protecting objective and specimen slides from accidental breakage

Stage

- Double layer X/Y mechanical stage
- Size: 110mm x 125mm
- Movement Range: 35mm x 50mm

Condenser

- Fixed Abbe Condenser with filter holder
- NA 1.25 with iris diaphragm

Frame

- Rugged, durable metal frame construction
- Lightweight design makes it easy for students to move it around
- Convenient rubberized carrying handle
- Power cord storage
- Rocker on/off switch

Illumination

- Eco-friendly and energy efficient 3W LED illumination
- Dimmer control for light intensity
- 110/220V



WARRANTY:
Limited Lifetime Warranty

DISCLAIMERS:

For the specifics on a particular model, see the specification table located at the bottom of the page of that individual model

Cat. No.	Description	Price
S72613	Monocular Head, inclined at 30°, 360° rotatable	572.00/Ea
S72614	Siedentopf Binocular Viewing Head, inclined at 30°, 360° rotatable	794.00/Ea

Fisher Science Education™ Entry Level High School Series Upright Microscopes



Upright Microscope with compact, lightweight design is ideal for entry level high school classrooms

Optical System

- Finite optical system
- Inward facing 4 position turret nosepiece with click stops
- 10X, 20X, 40X, 100X(oil) objectives
- 10X WF with 18mm FOV eyepiece

Focusing

- Coaxial coarse & fine focusing adjustment
- Tension adjustments
- Fine focus drive movement of 0.002mm divisions
- Rack stop adjustment for protecting objective and specimen slides from accidental breakage

Stage

- Double layer X/Y mechanical stage
- Size: 110mm x 125mm
- Movement Range: 35mm x 50mm

Condenser

- Fixed Condenser with filter holder
- NA 1.25 with iris diaphragm

Frame

- Rugged, durable metal frame construction
- Lightweight design makes it easy for students to move it around
- Convenient rubberized carrying handle
- Power cord storage
- Rocker on/off switch

Illumination

- Eco-friendly and energy efficient 3W LED illumination
- Dimmer control for light intensity
- 110/220V



WARRANTY:

Limited Lifetime Warranty

DISCLAIMERS:

For the specifics on a particular model, see the specification table located at the bottom of the page of that individual model

Cat. No.	Objective Types	Head Style	Price
S72529	Achromat 4X, 10X, 40X, 100X	Monocular Head, inclined at 30°, 360° rotatable	339.00/Ea
S72530	Plan Phase Contrast	Seidentopf Binocular Head, inclined at 30°, 360° rotatable	412.00/Ea
S72531	Plan Phase Contrast	Seidentopf Trinocular Head, inclined at 30°, 360° rotatable	569.00/Ea

Fisher Science Education™ Middle School Series Upright Microscopes



Small, compact, rugged, lightweight design is Ideal for Middle School Classrooms

Optical System

- Finite optical system
- Outward facing 3 position turret nosepiece
- 4X, 10X, 40X objectives
- 10X WF eyepiece with pointer

Viewing Head

- Monocular

Focusing

- Coarse focus adjustment of 20mm with independent fine focus of 1.4mm
- Rack stop adjustment for protecting objective and specimen slides from accidental breakage

Stage

- Plain stage

Condenser

- Abbe Condenser
- NA 0.65 disc diaphragm

Frame

- Rugged, durable metal frame construction
- Lightweight design makes it easy for students to move it around
- Convenient rubberized carrying handle
- 45° inclinable
- Rocker on/off switch located on side of base

Illumination

- 220V/20W halogen Lamp or energy efficient LED illumination
- 110/220V

WARRANTY: Limited Lifetime Warranty

DISCLAIMERS:

For the specifics on a particular model, see the specification table located at the bottom of the page of that individual model



Cat. No.	Head Style	Power Supply Details	Lighting Type	Design Type	Price
S72575	Monocular, with 45° incline; 360° rotation	Battery, and external AC plug powered	Energy efficient LED illumination with dimmer control	Plain stage; Spring activated stage clips	186.00/Ea
S72576	Monocular, with 45° incline; 360° rotation	Battery, and external AC plug powered	Energy efficient LED illumination with dimmer control	Plain stage; Attachable X/Y mechanical Stage; Spring loaded slide holder	274.00/Ea
S72577	Monocular, with 45° incline; 360° rotation	Rechargeable battery, and external AC plug powered	Energy efficient LED illumination with dimmer control	Plain stage; Spring activated stage clips	217.00/Ea
S72578	Monocular dual-view, with 45° incline; 360° rotation	Battery, and external AC plug powered	Energy efficient LED illumination with dimmer control	Plain stage; Spring activated stage clips	312.00/Ea
S72579	Monocular dual-view, with 45° incline; 360° rotation	External AC plug powered	Energy efficient LED illumination with dimmer control	Plain stage; Attachable X/Y mechanical Stage; Spring loaded slide holder	371.00/Ea

Fisher Science Education™ Elementary/Middle School Series Upright Microscopes

Small, lightweight design is Ideal for elementary/middle school classrooms



Optical System

- Superior optical clarity
- Finite optical system
- 4X, 10X, 40X objectives
- 10X WF eyepiece with optional pointer
- 3 position, Inward facing objective nosepiece
- 2x, 10x, and 40x or 4x, 10x, 40x achro objective combination options available

Viewing Head

- Monocular, with 45° incline
- 360° rotation for shared use

Focusing

- Coarse focus adjustment
- Rack stop adjustment for protecting objective and specimen slides from accidental breakage

Stage

- Plain stage with slide clips, 100mm x 90mm
- Spring activated stage clips

Condenser

- Abbe Condenser
- NA 1.25 with disc diaphragm

Frame

- Rugged, durable metal frame construction
- Light weight design makes it easy for students to move it around
- Convenient rubberized carrying handle
- Cord wrap/power adapter storage
- Rocker on/off switch located on top of base
- Light intensity controls

Illumination

- Eco-friendly and energy efficient LED illumination
- Transmitted and/or reflected light path options available
- 110/220V

WARRANTY:

Limited Lifetime Warranty

DISCLAIMERS:

For the specifics on a particular model, see the specification table located at the bottom of the page of that individual model

Cat. No.	Description	Price
S72569	Elementary/Middle School Series Upright Microscope	137.00/Ea

Fisher Science Education™ High School Series Stereo Microscopes

Stereoscopic Microscope for Macro-Size Specimens is ideal for high school classrooms



Optical System

- 10X WF eyepiece
- Dual magnification

Viewing Head

- Binocular viewing head with 60° incline
- Interpupillary adjustment of 54mm to 76mm
- Diopter Adjustment

Focusing

- Coarse focus adjustment
- 40mm height adjustment range on focusing mechanism
- 70mm working distance

Stand

- Low profile plain stage with clips
- Pole stand to accommodate larger sample
- Compact design

Illumination

- Eco-friendly and energy efficient LED illumination
- LED ring in transmitted light, provides homogeneous light distribution
- LED incident illumination
- Membrane switch controls

WARRANTY:

Limited Lifetime Warranty

DISCLAIMERS:

For the specifics on a particular model, see the specification table located at the bottom of the page of that individual model

Cat. No.	Description	Price
S72603	1X, 3X	408.00/Ea
S72604	2X, 4X	406.00/Ea
S72605	1X, 3X Objective; 2X Supplemental lens to double magnification to 20X, 60X	509.00/Ea



Fisher Science Education™ Middle School Series Stereo Microscopes

Stereoscopic Microscope for Macro-Size Specimens is ideal for middle school classrooms

Optical System

- 10X WF eyepiece
- Dual magnification

Viewing Head

- Binocular viewing head with 45° incline
- Interpupillary adjustment of 55mm to 75mm
- Diopter Adjustment

Focusing

- Coarse focus adjustment
- 40mm height adjustment range on focusing mechanism
- 70mm working distance

Stand

- Low profile plain stage with clips
- Pole stand
- Compact design

Illumination

- Eco-friendly and energy efficient LED illumination
- LED ring in transmitted light, provides homogeneous light distribution
- LED incident illumination
- Membrane switch controls

WARRANTY:

Limited Lifetime Warranty

DISCLAIMERS:

For the specifics on a particular model, see the specification table located at the bottom of the page of that individual model



Cat. No.	Magnification Power	Eyepiece	Price
S72596	1X, 3X	10X WF	350.00/Ea
S72597	2X, 4X	10X WF	350.00/Ea
S72598	2X, 4X	15X WF	344.00/Ea

Laxco LMI-3000 Series Routine Inverted Microscope

Laxco's LMI-3000 Series Inverted Microscope features a compact stand, phase contrast illumination and research grade optics making it ideal for cell culture applications.

Optics:

- Brightfield and Phase Contrast Illumination
- LWD plan achromat phase contrast objectives
- 10x/22mm high eyepoint widefield eyepieces
- Infinity corrected optical system
- Anti-reflective coatings on optics
- Parcentric & parfocal objectives
- Pre-centered phase annuli

Stand:

- Compact and stable microscope body
- Trinocular photo port for attaching camera
- 45° inclined eyetubes
- Diopter adjustment
- 50mm to 75mm Interpupillary adjustments
- 5w LED transmitted illumination
- Fixed stage platform with optional mechanical stage
- Coaxial coarse/fine focus drive with 2 micron precision
- High contrast for cell and tissue culture applications
- Camera port for attaching a camera (80:20 light split)



Cat. No.	Description	Price
S72295	4x, 10x, 20x, 40x	4325.00/Ea
S72296	10x, 20x	3576.00/Ea
S72297	4x, 10x	3227.00/Ea

Swift™ M10T-BTW1 Series Digital Tablet Compound Microscopes

Combination of compound microscope with Integrated digital tablet.

- Tablet screen to view and share images live on screen
- Optical and mechanical precision allows for easy use, viewing and durability
- Pre-loaded Motic Apps
- Ergonomic Siedentopf binocular head
- Coaxial focusing
- Integrated carry handle
- Built-in low-drive mechanical stage
- LCD touch tablet screen (8 in.)
- Built-in camera, HDMI output, Wifi interface
- Camera chip size: 1/2.5 in.

Specifications	
Condenser Type	Abbe 1.25 N.A.
Display Type	LCD
Head Style	Binocular
Product Type	Digital tablet compound microscope
Resolution	USB: 1280 x720/1280x 1024 preview mode, 2592x1944 (5MP) still image Wifi: 1280 x960 preview mode, 1280 x960 (1.3MP) still image



Cat. No.	Description	Price
S22237	Plan	1740.00/Ea
S22236	Semi-plan	1656.00/Ea

Swift™ M10D Series Digital Microscopes with High-Resolution Camera

Built-in, high-resolution 3 MP camera displays live images and captures pictures at 2048 × 1536 resolution.

- Binocular head available with semi-plan, plan or multi-phase objectives (4XD, 10XD, 40XRD, 100XRD)
- Internal camera allows use of eyepiece at the same time as camera
- Illuminated by a corded LED system with dimmer switch
- USB output provides a direct connection to computer
- Built-in low-drive mechanical stage
- Abbe 1.25 DIN rack and pinion condenser, iris diaphragm
- 20mm eyepiece

INCLUDES:
Motic Images Plus imaging software. Software is Windows™ XP™, Vista™ compatible and Mac™ OSX™ compatible.

WARRANTY:
Limited lifetime warranty on microscope and one year limited on camera.



Specifications	
Axis Type	Coaxial coarse and fine
Camera Type	3MP 2048 × 1536 pixel high resolution digital
Condenser Type	1.25 DIN Abbe rack and pinion
Design Type	Mechanical
Diaphragm	Iris
Eyepiece	W10XD, 20mm
Head Style	Binocular
Height (English)	14.25 in.

Specifications	
Height (Metric)	36.9cm
Includes	Motic™ images plus software
Lighting Type	3w LED with dimmer switch
Port Type	USB
Software Type	Motic
Voltage	110/220V
Warranty	Lifetime
Weight (English)	30.9 lb.
Weight (Metric)	14kg

Cat. No.	Description	Price
S95264J	4xD, 10xD, 40xRD, 100xRD plan	1491.00/Ea
S95264H	4xD, 10xD, 40xRD 100xRD semi plan	1389.00/Ea

Swift™ M3601C-USB Compound Microscope Digital Camera Package

Features cordless, energy-efficient LED illumination and a student-friendly design.



- For 120V 60Hz
- M3601C-USB features:**
- **Model:** D-Moticam 2
 - Live, digital output
 - Detachable USB cable
 - Feature-packed Motic Images Plus software

- M3601C-WF2 features:**
- **Model:** D-Moticam X3
 - **Digital Interface:** WiFi RJ45 Port
 - Generates own WiFi signal
 - Can be viewed on IOS and Android devices
 - 1.3 MP live resolution
 - Feature-packed Motic Images Plus software

Cat. No.	Description	Price
S43541	M3601C-USB Compound Microscope Digital Camera Package	787.00/Ea
S43542	M3601C-WF2 Compound Microscope Digital Camera Packag	731.00/Ea

Swift™ M3800 Series Advanced Microscope

Brand-new design packed with research features, assuring trouble-free operation and minimal downtime.

Ideal for AP and college environments.



- Advanced, compound, high-resolution optics
- Cordless microscope with plastic iris diaphragm shield
- Built-in battery powered indicator light
- 0.5W LED illumination
- Built-in curved handle design and smooth coaxial focusing
- Eyepiece: W10XD, 18mm

WARRANTY:
Limited lifetime warranty

Cat. No.	Description	Price
S72240	Binocular	662.00/Ea
S72241	Trinocular	787.00/Ea

Specifications	
Axis Type	Coaxial coarse and fine
Condenser Type	1.25 N.A. Abbe spiral
Design Type	Mechanical
Diaphragm	Iris
Magnification Power	40x, 100x, 400x, 1000x DIN
Objective Types	4x, 10x, 40xR and 100xR
Eyepiece	10X, 18mm widefield
For Use With (Application)	AP and college environments
Height (English)	14.25 in.
Height (Metric)	36.2cm
Includes	Head and frame in molded Styrofoam container with instruction brochure and vinyl dustcover
Lighting Type	0.5W LED illumination
Nosepiece	Reversed
Optical Design	Infinity correct optics
Voltage	110/220V
Warranty	Limited lifetime
Weight (English)	11 lb.
Weight (Metric)	24300g
Width (English)	6 in.

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Swift™ M3700 Series Advanced Microscope

Brand-new design packed with research features, assuring trouble-free operation and minimal downtime.

Ideal for AP and college environments.

- Advanced, compound, high-resolution optics
- Cordless microscope with plastic iris diaphragm shield
- Built-in battery powered indicator light
- LED with dimmer switch
- Built-in curved handle design and smooth coaxial focusing
- Eyepiece: W10XD, 18mm

WARRANTY:

Limited lifetime warranty



Cat. No.	Description	Price
S01896	Binocular	823.00/Ea
S04751	Monocular Head with Camera Port	746.00/Ea

Swift™ M3600 Series Compound Monocular Microscopes

New look and “student proof” design with curved handle, variable LED illumination and rounded stage.

Ideal for high schools and other grade levels.

- One-piece eyetube and illuminator are tamperproof
- Locked-on eyepieces, objectives and spring loaded “one touch” stage clips
- Plastic iris diaphragm shield protects iris
- Slip clutch system protects against over-focusing
- Unique “C-wrench” gives teachers control of focus tension
- Separate coarse and fine focus for easy use, simple servicing and teaching
- Cord holder on corded models provides a neat and easy method of cord containment
- Inward-facing (reversed) nosepiece allows user clear access to stage for slide manipulation
- All-metal internal parts assure long-term durability
- Energy efficient, variable LED provides white light with virtually no heat
- Extra bright LED lasts up to 50,000 hours between replacements for minimum maintenance and downtime
- Rechargeable cordless models allow up to 50 hours of use on a single 8-hour charge
- Optional add-on mechanical stage available for models with standard stage clips
- Lead-free objectives

WARRANTY:

Limited lifetime warranty on microscopes. One-year limited warranty on camera.



Cat. No.	Condenser Type	Magnification Power	Voltage	Weight (Metric)	Price
S19617G	1.25 N.A. Abbe spiral	4xD, 10xD, 40xRD achromatic	110/220V	23.8kg	362.00/Ea
S19617D	1.25 N.A. Abbe spiral	4xD, 10xD, 40xRD, 100xRD achromatic	110V	23.8kg	525.00/Ea
S19617A	Built-in 0.65 N.A.	4xD, 10xD, 40xRD achromatic	110V	21.6kg	272.00/Ea
S19617C	1.25 N.A. Abbe spiral	4xD, 10xD, 40xRD achromatic	110V	23.8kg	471.00/Ea
S19617E	Built-in 0.65 N.A.	4xD, 10xD, 40xRD achromatic	110/220V	0.3kg	395.00/Ea
S19617H	1.25 N.A. Abbe spiral	4xD, 10xD, 40xRD, 100xRD achromatic	110/220V	23.8kg	535.00/Ea

Specifications	
Axis Type	Coarse and fine
Diaphragm	Iris
Eyepiece	10X, 18mm widefield
Grade	High school and other
Head Style	Monocular
Height (Metric)	36.2cm
Lighting Type	Corded LED with dimmer switch
Nosepiece	3-position reversed
Warranty	Limited lifetime

Swift™ M2250 Series Microscopes

Compound student microscope designed specifically for intermediate-level microscopic applications.

- Monocular
- Inclined, smooth-moving 360° rotatable body provides comfortable viewing
- Illuminator vents assure “cool” illumination
- Separate coarse and fine focus system is easy to repair
- Hard, all-metal bottom plate protects electrical sources against damage and students’ hands from electrical shock
- Locked-on eyepiece, objectives, and stage clips
- Slip-clutch protects against over-focusing
- Corded models have cord-hanger for neat and easy method of cord containment
- Plastic shield protects delicate iris diaphragm from damage
- LED illumination produces cool, white light that lasts up to 50,000 hours
- Cordless model offers 50 hours of continuous use with a single eight-hour charge
- 4X, 10X, 40XR DIN objectives assure superior optical clarity
- For 120V 60Hz

WARRANTY:

Limited lifetime warranty on all defective parts and workmanship



Cat. No.	Diaphragm	Includes	Lighting Type	Price
S67300A	Iris	Cool and efficient LED illumination with dimmer switch and American plug, user and care manual, dust cover	LED	297.00/Ea
S65202	Disc	Standard Tungsten illumination and American plug, user and care manual, dust cover	Tungsten	279.00/Ea
S67300	Iris	Cool and efficient cordless LED illumination, User and care manual, dust cover	LED	327.00/Ea

Swift™ SM105T-C-USB Zoom Stereo Microscope Digital Camera Package

Features microscope with variable zoom magnification range of 10X to 30X and Moticam 2.0 MP digital camera.

Microscope features:

- Energy-efficient variable, cordless, rechargeable illumination
- One-touch spring loaded stage clips
- Right eyepiece diopter focusing adjustment
- For 120V 60Hz

Camera features:

- **Model:** D-Moticam 2
- **Digital Interface:** USB
- Live, digital output
- Detachable USB cable
- Feature-packed Motic Images Plus software



Cat. No.	Description	Price
S43540	Zoom Stereo Microscope Digital Camera Package	1114.00/Ea

Swift™ M29TZ-SM99CL-BTW1 Digital Screen Stereo Zoom Microscope

Representing the latest in educational, laboratory and research technology, the Swift™ Optical Digital Screen Stereo Zoom Microscope can be used as a conventional stereo microscope or to share live images with your students or colleagues using WiFi tablets, WiFi enabled laptops and HD-ready LCD monitors or projectors through HDMI.

Microscope FEATURES:

- Viewing head rotates 360°
- Zoom 1X-4X
- Acromatic, color-corrected lenses
- Tension adjustment eliminates focus drift
- Working distance: 80mm
- Large dual focusing knobs with slip clutch to prevent damage to mechanism
- Top and bottom LED illumination
- For 120V 60Hz

Tablet FEATURES:

- Attached camera bracket includes built-in camera to capture still and video clips
- Pre-loaded MotiConnect Apps allow for image capture, annotation and sharing
- USB and WiFi Interfaces
- Built-in MoticHub allows for wireless sharing

Tablet Specifications:

- Screen Size: 20.3cm (8 in.)
- Screen Resolution: 800 x 1280
- Camera Resolution: 5.0MP
- WiFi: 802.11b/g/n
- Ports: CD 5V Power Input, Mini HDMI, Micro SD Card Slot, 3.5mm Audio
- HDMI Output: 1080
- Battery: Rechargeable

Cat. No.	Description	Price
S23870	Digital Screen Stereo Zoom Microscope; Model: M29TZ-SM99CL-BTW1	1632.00/Ea



Swift™ SM100 LED Stereo Microscopes

Durable, versatile design is ideal for high school and college instruction.

A new look to the Swift Stereo line, the SM100 series offers an affordable stereo microscope with three different binocular head options with varying magnification. A variety of student-proof features make it perfect for teaching applications.

- Energy-efficient variable LED illumination with five light-setting options
- Right eyepiece diopter focusing adjustment
- “One-touch” spring-loaded stage clip
- Built-in handle encourages proper handling
- “Slip-clutch” focusing system protects against over-focusing
- Locked-on eyepieces and stage clips assure that the parts remain on the scope
- Unique C-wrench gives teacher sole control over focus tension
- Cord-hanger allows for safe and hassle-free cord storage
- Corded or cordless stand

Cat. No.	Magnification Power	Eyepiece	Description	Price
S01977	10x to 30x	W10X, 20mm	Stereo Microscope	567.00/Ea
S01977A	10x, 30x	W10X, 20mm	Stereo Microscope	395.00/Ea
S01977B	20x and 40x	W10X, 20mm	Stereo Microscope	395.00/Ea
S952641	10x to 30x	W10X, 20mm	Cordless Stereo Microscope	412.00/Ea
S952642	20x and 40x	W10X, 20mm	Cordless Stereo Microscope	412.00/Ea

- Reversible black-and-white and frosted stage plates are included
- Interlocked eyepiece tubes with diopter for increased focus acuity
- Side magnification changer
- Eyepieces: W10X, 20mm
- Synthetic gear lubricant ensures smooth operation of all gears over a wide range of temperatures
- Eyeshields can be used on eyepieces to reduce ambient light
- Light settings: turret, top, bottom, simultaneous turret and bottom or simultaneous top and bottom



ORDERING INFORMATION:

Dimensions:
12L x 8W x 13 in.H
(30.5 x 20.3 x 33cm)

WARRANTY:
Limited lifetime on all defective parts and workmanship

Specifications	
Axis Type	Rack and pinion with slip clutch
Dimensions (L x W x H)	12 x 7.5 x 12.5 in. (30.5 x 19.05 x 31.75cm)
Head Style	Binocular
Height (Metric)	31.75cm
Includes	Reversible black and white and frosted stage plates, Vinyl dust cover, eyeshields and Instruction manual
Length (Metric)	30.5cm
Lighting Type	LED
Width (Metric)	19.05cm

Swift™ M3 Series Macro/Micro Field Microscope

Great for viewing live specimens and for field work applications.

Allow viewing of both microscopic specimens, by using the compound objectives (4X, 10XD, and 40XRD), and macroscopic specimens, by using the 1X macro objective.

- Cordless, uses energy-efficient, rechargeable LED illumination
- Allows up to 50 hours of use on a single 8-hour charge
- Magnification range of 10X-400X
- W10XD, 18mm eyepiece
- Built-in NA 0.65 condenser
- All-metal construction
- Sturdy detachable tripod legs fold for storage and stability on most indoor and outdoor surfaces
- Multiple stage positions allow for micro and macro viewing
- Top and bottom LED illumination provides energy-efficient white light with virtually no heat
- Ergonomic carry handle
- Stage clips
- Top and bottom LED illumination provides energy-efficient white light with virtually no heat
- DIN Achromatic 4X, 10XD, 40XRD objective for compound use (40X-400X magnification range)
- DIN Achromatic 1XRD for macro use (10X magnification)

Classroom or field work applications

INCLUDES:

Stage plate for viewing micro specimens, black/white contrast and clear collection container for viewing macro specimens

WARRANTY: Three-year limited warranty

Cat. No.	Description	Price
S98498A	Binocular	494.00/Ea

Specifications	
Axis Type	Coaxial coarse and fine
Condenser Type	Built-in 0.65 N.A.
Design Type	Stage clip
Diaphragm	Iris
Magnification Power	4x, 10xD, 40xRD and 2x macro
Objective Types	4x, 10xD, 40xRD and 2x macro
Eyepiece	10X, 18mm widefield
For Use With (Application)	Viewing live specimens and for field work applications
Height (English)	15.25 in.
Height (Metric)	38.8cm
Includes	Stage plate for viewing micro specimens, black/white contrast and clear collection container for viewing macro specimens
Lighting Type	LED
Voltage	110/220V
Warranty	3 Years
Weight (English)	6.8 lb.
Weight (Metric)	15kg



Swift™ Forensic-Comparison Microscope with Digital Tablet Screen

The Swift Forensic-Comparison Microscope with Digital Tablet Screen represents the latest in digital forensic-comparison applications. You can use it in the classroom as a comparison microscope or with a tablet to share images.

Comparison Microscope includes:

- Trinocular head with port for easy camera attachment
- Micro 4XD, 10XD, 40XRD, and Macro 1X objectives
- 10XD, 18mm eyepieces
- Cordless, Top and Bottom LED illumination
- For 120V 60Hz

Tablet Specifications:

- LCD Android tablet with 1280 X800 screen resolution, 25.4cm (10 in.)
- Connections: WiFi, mini HDMI, micro SD card slot
- 5.0MP sensor
- 5.0MP capture image resolution
- HDMI 1080
- Android operating system
- WiFi: WiFi output (802.11ab/g/n supporting both hot-spot mode or using existing network)
- Pre-loaded optimized MotiConnect App
- Supplied with Motic Images Plus software for Mac and PC
- Built-in Motic Hub allows for wireless sharing



Cat. No.	Description	Price
S23869	Model: M3-F-BTW2	2402.00/Ea

Swift™ M3-F Forensic Comparison Microscope

Revolutionary technology allows you to compare images in both micro and macro environments.

Powerful optical system allows images to be seen either 100% from the left microscope, 100% from the right, side-by-side or overlapping. The dedicated macro lens, with a large working distance, allows you to view not only bullets but also larger, more bulky “evidence” items.

- Trinocular head
- Energy-efficient cordless top and bottom LED illumination
- Co-axial focusing
- Gliding stage plate with “one-touch” stage clips
- Balanced tripod footing
- Eyepiece: W10XD, 18mm
- Objectives: 4X, 10XD, 40XRD, micro and 1X macro

Model S22239

- To compare images in both micro and macro environments
- Micro macro forensic comparison by adjusting stage positions and magnification options
- Built-in WiFi signal permits user to connect to tablet or computer, using included Motic Imaging Software
- Built-in camera for viewing images from 100% left, 100% right, side-by-side or overlapping
- HDMI output
- Wifi interface
- 10 in. tablet



ORDERING INFORMATION:

With the optional C-mount adapter, any C-mount-ready imaging device can be attached, including Motic™ cameras, for analysis with the Motic software provided. (Motic software included with the Swift Cam; eyepiece cameras sold separately.)

Cat. No.	Description	Price
S01897	M3-F Forensic Comparison Microscope	2153.00/Ea
S22239	M3-F Forensic Comparison Microscope with Integrated Tablet Screen	2233.00/Ea

Celestron™ TetraView LCD Touch Screen Microscope

Digital Desktop microscope with color LCD screen.

- Fully mechanical adjustable stage with metal clip, 88 × 88mm
- 5MP camera sensor, powers of 40x to 400x (1600x with digital zoom), 4X digital zoom
- LCD Monitor: 4.3 in. High definition touch, 320 × 240 pixel resolution, 3.5 in (90mm) with 4X digital zoom, 262K colors
- Rotating LCD head
- Course and fine focus
- Memory: 2G SD card
- Illuminator:
Lower- adjustable bright white LED
- On board (LCD) languages supported: English, German, French, Spanish, Italian, Portuguese, Japanese, Chinese Simple, Chinese traditional
- AC Adapter: Input Universal, 100 to 240 Volt 50/60HZ, multi-country plug
- Dimensions: 178 × 140 × 330mm (7 × 5.5 × 13 in.)
- For 120V 60Hz



Celestron™ CB2000 Series Compound Microscope

Lab-ready compound binocular microscope with 2000x power.

- Full-metal construction with fully mechanical stage
- Coarse and fine focus knobs
- Achromatic objective lenses
- Abbe condenser with iris diaphragm concentrates and focuses lower illumination for viewing
- For 120V 60Hz



Cat. No.	Description	Price
S13039	CB2000CF Compound Microscope	230.00/Ea
S13040	CB2000C Compound Microscope	360.00/Ea

Cat. No.	Description	Price
S05039	TetraView LCD Touch Screen Microscope	340.00/Ea

Celestron™ LCD Digital Microscope II

Professional-level biological LCD microscope

- 40x magnification up to 1600x with digital zoom allows for high-resolution imaging of specimen slides
- LCD screen rotates 180 degrees
- TV output to display on a television or projector
- 1 GB SD card provides enough storage to capture over 600 high-resolution images for lab reports, papers, lesson, and more
- 100/240V 50/60Hz, 4 plug multi-country



Celestron™ Hand-Held Digital Microscope

Ideally suited for examining small objects such as coins, stamps and insects, as well as viewing specimen slides at low and high powers.

View specimens or objects on a computer screen, then take snapshot images or short videos. Examine objects such as coins, stamps, insects, gems and circuit boards.

- Integral 2.0 MP digital camera with USB cable
- Built-in LED illuminator
- 10X to 40X plus 150X digital power
- 1.3 MP digital camera for snapshots and video
- Photo management software
- Powered by USB 2.0 cable
- Compatible with PC and Macintosh™
- 6 White LEDs; 108 × 32mm



INCLUDES:

Metal stand that holds microscope at various positions; CD-ROM: *Digital Microscope Suite*; instruction manual

Cat. No.	Description	Price
S14082	LCD Digital Microscope II	210.00/Ea

Cat. No.	Description	Price
S02443A	Hand-Held Digital Microscope	70.00/Ea

CxL Binocular Laboratory Microscope

Ideal for educational and laboratory applications.

Designed with a semi-plan achromatic optical system that provides true color rendition and contrast. With 100% glass optics and all-brass mechanical components.

- Eyepieces: Lockable 10X/18mm focusable eyepieces, dual diopter adjustments with foldable rubber eye guards, and antifungal coating
- Head: Ergonomic binocular tube with 45° viewing angle, 360° rotatable, interpupillary distance adjustment of 54–74mm
- Objectives: DIN semi-plan achromatic 4X, 10X, 40X, 100X (SL, Oil) objectives with antifungal coating, enable viewing of an assortment of specimens with the highest degree of clarity
Stage: 5.31 × 4.88 in. (135 × 124mm) mechanical stage with single specimen holder and low-drive X/Y movement controls, 76 × 50mm X/Y travel range
- Condenser: Abbe 1.25 NA condenser with iris diaphragm
- Stand: Single-mold, rust-resistant stand with ergonomic hand rests that provide comfort and stability

- Illumination: Available with halogen (6V/20w) bulb that provides up to 2000 hours of life or built-in rechargeable LED (3.4V/1w) with up to 100,000 hours of life

Digital Model

- Fixed 1.3MP CMOS (1280 × 960) camera module iVu 1500 Wide-field, focusable paired 10X eyepiece

ORDERING INFORMATION:

Dimensions: 19L × 15W × 12 in. H (48.3 × 38.1 × 30.5cm).

Net weight: 17.1 lb. (7.8kg).

Universal input 100–240VAC.

For details on optional accessories, contact your Fisher Science Education Representative.

INCLUDES:

Packed in a Styrofoam™ box with operation manual, dust cover, cleaning cloth, Allen wrench, power cord, spare bulb, and spare fuse.

CERTIFICATIONS:

UL listed, CE marked



Cat. No.	Description	Price
S96030	3.4V, 1w LED	689.00/Ea
S96029	6V/20w Halogen	651.00/Ea

CoreScope 2 Cordless Microscope

Affordable way to introduce students to microscopy.

- Binocular head
- Mechanical stage
- 10X widefield eyepiece with pointer
- Easy-to-use, mechanical stage with side clips
- Coaxial coarse and fine focusing knobs
- Humidity and climate protection coating on optics
- Built-in cord storage
- Aluminum single cast body
- Reverse 3-hole nosepiece
- Cordless operation with 3 included rechargeable AA batteries; charges via a USB cable
- To recharge batteries, just connect the USB cable to the wall charger or a USB port.

WARRANTY:

10 years limited on microscope

CERTIFICATIONS:

CE marked, CSA



Cat. No.	Description	Price
S902983	CoreScope 2 Cordless Microscope	273.00/Ea



Moticam Digital Microscope Cameras

Transform a compound or stereo microscope into a digital microscope.

- Fit the eyepiece tube of most standard microscopes
- Come complete with Motic Images plus 2.0 Software for use with PC or Mac for still image or video capture, annotation, editing and measuring
- Microsoft Windows 7 or higher; Apple macOS
- Active Resolution (through USB)
- CMOS Sensors (all models)
- One year limited warranty (all models)



Moticam 2

Two megapixel live imaging for large display crisp imaging

Cat. No. S02359A
Price \$207.00

Resolution
1600 x 1200 (2MP) @ 5 fps*

Interface Connection
USB

Application
Use with white boards, compound or stereo microscopes, independently, PC, Mac



Moticam 3+

Ideal for live imaging and documentation

Cat. No. S22240
Price \$994.00

Resolution
2048 x 1536 (3MP) @ 6 fps*

Interface Connection
USB 3.0

Application
Ideal for live imaging, printed images, LCD projectors, live streaming video, PC, Mac



Moticam 10+

Create high-resolution still images and videos

Cat. No. S22242
Price \$1,055.00

Resolution
3664 x 2748 (10MP) @ 2.2 fps*

Interface Connection
USB 3.0

Application
High-quality printed images, publishing, and viewing on LCD screens, PC, Mac



Moticam 1080

Multi-output HDMI camera can be used with or without a computer

Cat. No. S22243
Price \$1,280.00

Resolution
1920 x 1080 (2.0MP) @ 15 fps*

Interface Connection
HDMI (1080), AV and USB

Application
For use with HDMI direct output or capture to SD card

* Frames per second under optimal illumination conditions

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Mixers, Shakers and Vortexes

Ohaus™ Standard Analog Vortex Mixer

Allows low rpm startup for gentle shaking or high speed mixing for vigorous vortexing of samples.

- Variable, analog speed control
- Speed: 300 to 3200rpm
- Two modes of operation; continuous mode when using accessory attachments or touch mode which activates mixing when depressing cup head
- Supplied with both cup head, and 3 in. head with cove
- For 120V



WARRANTY:
2-Year

CERTIFICATIONS:
TUV Listed

Cat. No.	Description	Price
S38786	Standard Analog Vortex Mixer; 120V	319.00/Ea

Ohaus™ Mini Digital Vortex Mixer

Ideal for applications that demand repeatable results.

- New ergonomic design
- Microprocessor control maintains set speed for consistent mixing
- LED displays for speed and time
- Continuous or touch mode operation
- Supplied with cup head and 3 in. head with cover
- Speed: 500 to 3000rpm
- 120V



WARRANTY:
2-Year

CERTIFICATIONS:
TUV Listed

Cat. No.	Description	Price
S38785	Advanced Digital Vortex Mixer	409.00/Ea

Ohaus™ Multi-Tube Vortex Mixer

Ohaus Multi-Tube Vortexers are ideal for high throughput sample processing. Interchangeable foam racks for vortexing tubes from 10 to 29mm in diameter available

- Vortexing action is created by securing the top of the sample in place while allowing the bottom to rotate freely in a 3.6mm orbit.
- Process up to 50 samples at a time
- Includes 3 wire cord and plug, Tray Pad set for support, 12mm test tube foam rack



Specifications

Amperage	5
Electrical Requirements	110V
Height (English) Exterior	16in.
Hertz	50/60
Length (English) Platform	7.3in.
Load Bearing Capacity	10lb.
Operating Modes	Continuous
Shipping Weight (English)	42.1lb.
Width (English) Platform	12.3in.

Cat. No.	Speed	Description	Price
S72098	1200 to 2400rpm	Analog	2900.00/Ea
S72099	500 to 2500rpm	Digital	3400.00/Ea

Mini Vortex Mixer

Compact and powerful vortex mixer with touch function.

- Fixed speed, 2800rpm
- 115V, 50-60Hz 0.6A

WARRANTY:
2 years



Cat. No.	Description	Price
S96461A	Mini Vortex Mixer	234.75/Ea

Ohaus™ Fixed Speed Mini Vortex Mixer

One touch units for fixed high speed mixing.

- Touch mode operation
- Operating Conditions: 4° to 40°C
- Mixing starts when cup head is pressed down
- Vigorous vortexing of samples at 3200rpm fixed speed
- Supplied with both cup head, and 7.62cm (3 in.) head with cover
- 120V



WARRANTY: 2-Year

CERTIFICATIONS: TUV

Cat. No.	Description	Price
S38787	Basic Fixed Speed Vortex Mixer	280.00/Ea

fisherbrand Analog Vortex Mixer

Variable speed, analog control that allows low rpm start-up for gentle shaking or high-speed mixing for vigorous vortexing of samples.

Variable speed, analog control that allows low rpm start-up for gentle shaking or high-speed mixing for vigorous vortexing of samples.



- Used for flasks, beakers, tubes and microwell plates
- Touch mode mixer with three-way power switch
- Orbit: 4.9mm
- Speed knob: Variable 1 to 10 dial marks
- Variable speed: 300 to 3200rpm
- L x W x H: 20.2 x 12.1 x 12.7cm (8 x 4.75 x 5in.)
- Maximum speed will vary depending on accessory used
- 5 year warranty
- For 120V
- 150w

INCLUDES:

Includes both cup head and 3" head with cover. 72 inch (183cm), 3-wire cord and plug.

WARRANTY: 5 year

CERTIFICATIONS: TUV Certified

Cat. No.	Description	Price
S35935	Analog Vortex Mixer	208.00/Ea

fisherbrand Heavy-Duty Vortex Mixers

Strong, consistent mixing action for up to 8 microplates with optional accessory attachments.

- Designed for continuous duty
- Heavy-duty design and efficient motor allow mixer to operate in continuous duty and handle all accessories over entire speed range



Analog Model

- Variable speed analog mixer
- Choose from two modes of operation: Touch mode for mixing tubes when cup head or Universal Holder with cover are depressed; On mode when using any of the accessory attachments for continuous operation
- Controls: 3-way power switch; speed knob: variable 1-10 dial marks

Digital Model

- For applications that demand repeatable results
- Touchpad controls and LED displays
- Accurate speed and time results
- Microprocessor control: 3-way power switch, LED display for time/speed up/down keys for set-point control
- Timer will display elapsed time or when programmed to a user-defined time limit, the unit will turn off when time reaches zero
- Choose from two modes of operation: Touch mode that activates mixing when depressing the cup head; Continuous mode when using accessory attachments

ORDERING INFORMATION:

Dimensions: 9.5L x 6.6W x 6.3 in. H (24.1 x 16.8 x 16cm); electrical requirements: 120V, 0.25A, 30w; weight: 15 lb. (6.8kg).

INCLUDES:

Cup head, Universal Holder with cover, foam microtube insert for (38) 1.5 to 2.0mL microtubes and a 92 in. (234cm) detachable, three-wire cord and plug (230V available).

WARRANTY:

Two years on parts and labor

Cat. No.	Description	Speed	Price
S02216108	Analog	300 to 2500rpm	892.00/Ea
S02216109	Digital	300 to 3500rpm	1009.00/Ea

Ohaus™ Heavy Duty Vortex Mixer

Variable speed mixer designed for continuous duty. Offers two modes of operation; 'Touch' mode for mixing tubes when cup head or Universal Holder with cover is depressed or 'On' mode when using any of the accessory attachments for continuous operation.

- Includes cup head, universal holder with cover, foam microtube insert for 1.5 to 2.0mL microtubes, detachable, 3-wire cord & plug
- Speed range 300 to 2,500 RPM (On Mode); 300 to 3,500 RPM (Touch Mode)
- Orbit: 4.9mm
- Capacity: 2.5 lbs.
- Dimensions: 9.5 × 6.6 × 6.3 in.



WARRANTY:

2 years

Cat. No.	Description	Price
S72024	Digital	1139.00/Ea
S72025	Analog	979.00/Ea

Specifications	
Length (Metric) Exterior	24.1cm
Width (Metric) Exterior	16.8cm
Height (Metric) Exterior	16cm
Speed	300 to 2500 rpm (On Mode), 300 to 3500 rpm (Touch Mode)
Model	VXHDAL
Operating Modes	On mode/Touch mode
Tube Capacity	1.5 to 2.0mL
Includes	Foam insert for 1.5 & 2.0mL microtubes

Ohaus™ Microplate Vortex Mixer

Variable speed mixer designed for continuous duty. High speed and small orbit is optimal for effectively mixing microplates. Two modes of operation: 'Touch' activates mixing when cup head is depressed or 'On' when using microplate attachments for continuous operation.

- Includes cup head, single microplate holder, detachable 3-wire cord & plug
- Speed range 300 to 2,500 RPM (On Mode); 300 to 3,500 RPM (Touch Mode)
- Orbit: 3.5mm
- Capacity: 2 microplates
- Dimensions: 10.5 × 5.4 × 4.5 in.



WARRANTY:

2 years

Cat. No.	Description	Price
S72026	Digital	532.00/Ea
S72027	Analog	457.00/Ea

Specifications	
Length (Metric) Exterior	26.7cm
Width (Metric) Exterior	13.7cm
Height (Metric) Exterior	11.4cm
Speed	300 to 2500 rpm (On Mode), 300 to 3500 rpm (Touch Mode)
Model	VXMPAL
Operating Modes	On mode/Touch mode
Includes	Cup Head, Single Microplate Holder

Troemner™ Talboys™ Standard Analog Vortex Mixer

Allows low rpm startup for gentle shaking or high speed mixing for vigorous vortexing of samples.

- Variable, analog speed control
- Two modes of operation; continuous mode when using accessory attachments or touch mode which activates mixing when depressing cup head
- Supplied with both cup head, and 7.62cm (3 in.) head with cover
- Operating Conditions: 4 to 40°C (39 to 104°F), 20% to 85% relative humidity, non-condensing
- Speed: 300 to 3200rpm
- Orbit: 4.9mm
- 120V 56/60Hz 1.2A 150w
- 7 × 4.4 × 5.3 in.



Applications:

Single or multiple tube mixing, general mixing, resuspending samples, mixing solids or semi-solids in to liquids, cell lysing

WARRANTY:

5 years on parts and labor

CERTIFICATIONS:

TUV Listed

Cat. No.	Description	Price
S14178	Standard Analog Vortex Mixer	427.00/Ea

One-Speed Laboratory Blender

Laboratory blender with one speed switch setting.

- Epoxy-coated motor housing base
- Glass container with handle
- Two-piece vinyl and styrene lid
- Heat-resistant container
- Overall height: 16 in. (40.6cm)
- Weight: 10 lb. (4.5kg)
- 1.2L Capacity
- For 120V



Cat. No.	Description	Price
S02530	Lab Blender	478.50/Ea

fisherbrand Incubating Mini-Shaker

Fisherbrand Incubating Mini-Shaker is designed to heat and shake variety of samples such as cell cultures and bacterial suspensions.

The instrument provides consistent and uniform shaking action. Microprocessor displays last set point and restarts if power is interrupted. Easy-to-use controls allow users to adjust temperature in 1°C increments. Provides repeatable and accurate results every time. Display is easily visible across lab benches.



- Speed: 120 to 1200rpm
- LED display for temperature/time, speed
- Microprocessor control: The variable speed microprocessor control provides consistent, uniform shaking action. Microprocessor will display last set-point and will restart if power is interrupted
- PID temperature controller: Maintains precise temperature control from ambient °C to 65°C. Easy-to-use controls allow users to adjust temperature in 1°C increments
- Triple eccentric drive: Permanently lubricated ball bearings and maintenance free, brushless DC motor provide reliable service and continuous duty operation
- LED display: Touch pad controls with easy-to-read, independent LED displays for temperature, speed and time allow operator to view all settings at once. Provides repeatable and accurate results every time and is easily visible across lab benches. Timer will display elapsed time or, when programmed to user defined limit, will shut off unit when time reaches zero. Display will show last used settings, even after power has been turned off
- Temperature calibration mode: Allows user to calibrate unit to an external temperature device
- Audible and visual signals will activate when system detects an obstruction or overload of the tray
- In timed mode, when the time reaches zero, alarm will sound 5 times, window shows "End" and flickers all the time. Alarm can be stopped by touch any key
- Symbol illuminates when the temperature of the air in the chamber reaches 40°C and remains lit until temperature cools down.
- Channels fluids away from internal components
- 120V 5A, 450w

Cat. No.	Description	Price
S35836	Incubating Mini-Shaker	3091.00/Ea

OHAUS™ Analog Orbital Shaker

Economical shaker designed for educational labs or basic shaking applications.

- Low-profile design takes up less space and easily fits into most fume hoods and incubators
- Cast-aluminum base offers durability and added stability
- Variable-speed microprocessor control provides consistent uniform shaking action
- 120V, 25W, 5A
- 8lb capacity, 15mm orbit



INCLUDES:

92 in. (234cm) detachable, three-wire cord and plug. Units are also supplied with an 11.75 x 8.75 in. (29.9 x 22.2cm) non-skid rubber mat.

Cat. No.	Description	Price
S38770	Analog Orbital Shaker	1055.00/Ea

OHAUS™ Analog Heavy Duty Shaker

OHAUS Analog Heavy Duty Shakers are designed to handle a range of applications. Built-in tray and non-slip rubber mat included with all models.



- Microprocessor controlled
- Continuous or timed operation
- Speed ramping feature and spill resistant design
- Speed range: 25 to 500rpm
- For 120V

Cat. No.	Description	Price
S72070	Capacity: 35lb; Orbit: 19mm	2098.00/Ea
S72074	Capacity: 50lb; Orbit: 25mm	4621.00/Ea



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OHAUS™ Heavy Duty Shaker

OHAUS Heavy Duty Shakers are designed to handle a range of applications. Available as analog or digital model with microprocessor control to provide variable speed and consistent shaking, while ramping to the set speed

- Patented Accu-Drive Shaking System
- LED displays for speed and time
- Built-in tray and non-slip rubber mat included.
- Overload protection and speed ramping feature
- Calibration mode for speed
- Digital model with microprocessor control to provide variable speed and consistent shaking, while ramping to the set speed.
- For 120V



Cat. No.	Capacity	Width (English) Platform	Orbit	Price
Analog Models				
S72077	100lb.	24in.	S72077-51mm	7191.00/Ea
S72079	150lb.	36in.	S72079-51mm	8742.00/Ea
Digital Models				
S72071	35lb.	11in.	S72071-19mm	2499.00/Ea
S72075	50lb.	18in.	S72075-25mm	4896.00/Ea
S72076	100lb.	24in.	S72076-25mm	6963.00/Ea
S72078	150lb.	36in.	S72078-25mm	7854.00/Ea

Pressure/Vacuum Pump

Features pressure and vacuum gauges.

For air sampling, pressure/vacuum filtration, degassing solutions. Separate vacuum and pressure gauges, graduated from 0-30 in.Hg and 0-100psig, respectively. Durable air seal between piston and cylinder.



Specifications:

- Free Air Displacement: 37L/min.
- Pump Speed: 1725rpm
- Pressure: 100psig (689kPag)
- Vacuum: 25 in.hg
- Motor: 0.17hp 110V 60Hz
- Hose Connection takes 0.25 in. I.D. tubing
- Dimensions: 10.75H x 15.25L x 8 in.W (27.3 x 38.7 x 20.3cm)
- Weight: 17 lb. (7.7kg)

INCLUDES:

- Moisture trap
- Intake filter
- Handle
- Rubber suction-cup feet

Cat. No.	Description	Price
S413801	Pressure/Vacuum Pump	785.00/Ea

Pumps

Eisco Hand Operated Vacuum Pump

Experiment with air pressure and atmosphere, vacuum filtering and checking for leaks.

- Economical pump features a gauge in cm and inches
- Hg displaces 725mL of air
- Pump rate of 15mL
- Clear tubing is 60cm with 6mm inner diameter



Cat. No.	Description	Price
S12932	Hand Operated Vacuum Pump	39.75/Ea

Vacuum Pumps

Compact and lightweight for easy portability.

Two-stage pumps feature a clean, functional design with vibrationless operation. Ultimate vacuum is 1 micron in the lab and better than 25 microns under field conditions.

- Free air displacement: 85L/min.
- Pump speed: 1,725rpm
- Motor: 1/3hp, 110V 60Hz
- Hose connection: 0.25 in. (0.63cm) I.D. tubing
- Dimensions: 15.5L x 6.5W x 11.25 in.H (38.8 x 16.3 x 28.1cm)
- Weight: 28 lb. (12.7kg)



Good vacuum practice calls for the hose connections to be as short as possible to achieve ultimate vacuum. A gas ballast helps purge moisture from the vacuum system. The gas ballast valve, oil-level gauge, inlet and outlet connections, oil fill plug and drain are all easily accessible. A trap reduces the risk of oil being drawn back into the system.

Cat. No.	Description	Price
S97604	With Gauge	1175.00/Ea
S41328F	Without Gauge	1112.00/Ea

2-Stage Vacuum Pump

Portable, ready to operate vacuum pump.

- Easy-to-carry design
- Provides free air displacement of 2.5CFM at 50Hz and 3.0CFM at 60Hz
- Max Pressure 3×10^{-1} Pa
- Runs steadily for long period of time
- Motor: 1/3HP
- Intake Ports: 6.35mm (0.25 in.)
- 115V/60Hz



Cat. No.	Description	Price
S13153	Two Stage Vacuum Pump	322.00/Ea

Refrigerators, Freezers and Ice Makers

fisherbrand Isotemp™ Value Lab Refrigerator

For safe, reliable storage of non-critical products.

- Adjustable temperature control
- Hinged, reversible door with lock opens left to right
- R134a, 100% CFC free refrigerant
- Manual defrost
- Adjustable shelves or baskets included
- Environmentally friendly, CFC-free insulation and coolant
- Casters: 2 adjustable feet in front, 2 fixed pads in rear
- Easy-to-clean, durable white enameled steel finish
- Interior made of ABS plastic
- 115V/60Hz, 1.0A 160w
- Weight: 100 lb. (45.4kg)
- NEMA 5-15P plug type
- Factory tested prior to shipment
- NRTL tested

Service Plan

- Service agreement available.

CERTIFICATIONS

- cCSAus

WARRANTY AND SERVICES

- 13 months, parts and labor



Cat. No.	Capacity	Dimensions (L x W x H) Exterior	Dimensions (D x W x H) Interior	Temperature Range	Price
S35949	5.5 cu. ft./155.7L	23.5 x 23.63 x 33.5 in. (59.7 x 60 x 85.1cm)	17.5 x 20 x 27.75 in. (44.55 x 50.8 x 70.5cm)	1° to 12°C	1893.00/Ea

fisherbrand Isotemp™ Value Lab Freezer

Convenient storage in small spaces.

- Manual defrost
- Hinged, reversible door opens left to right
- R-134a CFC-free refrigerant
- Hydraulic thermostat
- Casters: 2 Adjustable Feet in front, 2 Fixed Pads In Rear
- Baked-on, acrylic enamel exterior
- Easy-to-clean formed ABS Plastic interior
- Solid door is mounted to open from left
- Temperature Range: -12° to -24° C
- 115 V/60 Hz, 1.1A 184w
- Weight: 84 lb. (38kg)
- NEMA 5-15P plug type

WARRANTY AND SERVICES

- Two years parts, one year labor



Cat. No.	Capacity	Dimensions (L x W x H) Exterior	Dimensions (D x W x H) Interior	Price
S35948	5 cu. ft./141.6L	25.88 x 23.75 x 33.38 in. (65.7 x 60.3 x 84.8cm)	20.25 x 18 x 26 in. (51.4 x 45.7 x 66cm)	1864.00/Ea

Ice-O-Matic Self-Contained Undercounter Pearl Ice™ Maker with Storage

Use up to 40% less energy and 50% less water than standard cube ice machines. The Ice-O-Matic Self-Contained Undercounter Pearl Ice™ Maker with Storage outputs bits of compacted flaked ice that are soft, long-lasting and conform to samples—even microcentrifuge tubes.

- Uses up to 40% less energy and 50% less water than standard cube ice machines
- Produces up to 85 lbs. of Pearl Ice in 24 hours and stores up to 22 lbs. of ice
- Front air flow and an ultra compact 15 in. wide cabinet for placement in tight locations or free standing
- Stainless steel finish—perfect for laboratory or clinical use
- User-friendly control panel informs whether in ice making mode, alerts a no-water condition, and a time-to-clean reminder
- Approved for outdoor applications
- Reversible swing door
- Optional built-in drain pump allowing for installation flexibility and minimized installation costs
- “Pearl Ice”: Small, random lengths from 1/4 in. to 1/2 in. pack tightly and cool quickly
- For labs, offices and break rooms, medical suites, R & D, athletic departments
- Cat. No. S15530 filter package recommended
- 115V 60Hz
- Weight: 133 lb. (60kg)

WARRANTY:

2 year parts and labor on all components

COMPLIANCE:

NSF

CERTIFICATIONS:

ISO 9001:2000, AHRI, ETL



Cat. No.	Description	Price
S28646	Undercounter Pearl Ice Maker	4942.00/Ea

Scotsman™ Modular Flaked Ice Maker and Storage Bin

Utilize a higher capacity and more efficient design. The Scotsman™ Modular Flaked Ice Maker and Storage Bin delivers a steady flow of ice for fast recovery of ice supply.

Dependable Ice Maker performs under most any conditions

- Continuous ice-making process—no harvest time delays
- Up to 66% more energy efficient than cube models
- Delivers steady flow of ice for fast recovery of ice supply
- Only one moving part under refrigeration
- Higher capacity for larger volume and shared users
- 22 in. wide model saves valuable floor space
- Double-flight auger evenly distributes the load while heavy-duty direct-drive gearbox provides high reliability and long life
- AutoSentry™ Monitoring System constantly checks workload on gearbox, shutting down system before a problem develops
- Freezing chamber clearing delay permits drive motor to start with no load
- Electric conductivity water sensor eliminates low- or no-water failures and cannot be affected by adverse water conditions
- Use multiple units side-by-side
- Stainless-steel construction
- Manufactured in an ISO9001:2000 approved facility
- 31D × 73" H
- 115V 60Hz

Big storage bin for ample ice reserve

- Holds 374 lb.
- NSF approved construction
- Attractive stainless-steel finish
- Polyethylene liner

For new machine installations, order optional Cat. No. S15530 Water Filter Package and Cat. No. S15531 Install Kit.

WARRANTY:

Three years parts and labor on all components; five years parts on compressor

CERTIFICATIONS:

UL/JULC listed, National Sanitation Foundation approved



Cat. No.	Description	Price
S28640	Flaked Ice Maker and Storage Bin	9276.00/Ea

fisherbrand Ice Buckets

Ideal for use with dry ice, water ice and salt solutions.

- Molded handles enable safe handling and transport
- Rigid construction provides high durability and excellent insulating properties
- Buckets will not sweat or leak and are unbreakable with normal use
- Withstand temperatures up to 95°C (203°F)
- Resistant to acetone and easy to clean — can be chemically disinfected
- Stackable for convenient storage
- Rim diameter (maximum, with handles): 12.75 in. (32.5cm)
- Height: 7.25 in. (18.5cm)
- Capacity: 1.2 gal. (4.5L)



Cat. No.	Description	Price
S66126	Blue	139.00/Ea
S66360	Red	139.00/Ea

SP Scienceware™ Magic Touch 2™ Ice Buckets with Lids

Superior insulating properties combined with high chemical resistance.

- Compatible not only with wet ice, but also with ultra-low temperature materials including dry ice, salt slurries, dry ice solvent slurries or liquid nitrogen
- Able to withstand a wide temperature range of -196°C (-320°F) to 100°C (212°F)
- High-quality, expanded urethane laboratory ice buckets are lightweight, durable, nonsweating and impervious to moisture and odors
- Convenient pour spout, drip-proof rims, a fill line indicator
- Snug-fitting keyed lid and base for easy stacking
- Lightly textured, nonslip finish and raised edge provides secure transport and a stylish look



Cat. No.	Capacity	Color	Height (English) With Closure	Price
S04557	0.9 gal., 4L	Blue	9 in.	117.00/Ea
S04561	0.9 gal., 4L	Green	9 in.	117.00/Ea
S04559	0.9 gal., 4L	Black	9 in.	117.00/Ea
S04556	0.56 gal., 2.5L	Blue	7.06 in.	112.00/Ea
S04558	0.56 gal., 2.5L	Black	7.06 in.	113.00/Ea
S04560	0.56 gal., 2.5L	Green	7.06 in.	113.00/Ea

Cryogenic Vials

Used for storing biological samples at extreme temperatures

INCLUDES:

Leak-proof silicone rubber lined caps, Printed graduations, White labeling area



Cryogenic Boxes

Cryogenic Box is made from tough plastic and intended to hold cryogenic vials

- White polypropylene



Cat. No.	Description	Price
S39021	1.8mL	81.00/PK
S39022	5mL	52.00/PK

Cat. No.	Capacity	Dimensions (L x W x H)	Price
S39023	81 x 1.8mL cryovials	6 x 6 x 6in.	18.25/Ea
S39024	36 x 5mL cryovials	8 x 8 x 8in.	21.00/Ea

Sterilizers

Steam Autoclaves

Laboratory grade sterilizer for veterinary and laboratory applications.

- Thermally protective polymer construction
- Corrosion resistant, stainless steel chamber
- Push-button operation
- Comes with low water and under and over temperature alarms
- Available with standard accessories including internal basket, seal and literature
- Pressure: 15psi
- Internal temperature: 121°C
- Sterilization Cycle: 30 minutes
- Power Requirements: 120VAC 60 Hz. 1250w, grounded cord
- Load type: Solid, non-lumened, unwrapped non-medical instruments
- Capacity: 8L
- External Dimensions: 15D × 12.5W × 13 in. H
- Internal Dimensions: 9 in. dia. × 8 in. H

S07885 is not FDA approved.

S07886 is FDA-approved (K122978).



WARRANTY:
Two years

CERTIFICATIONS:
CE marked

COMPLIANCE:
IEC compliant

Cat. No.	Description	Price
S07885	Steam Autoclave	782.00/Ea
S07886	FDA-Approved Steam Autoclave	1207.00/Ea

Steam Autoclave

Saniclave 200 can sterilize wrapped or unwrapped solid, mated, hinged or knurled instruments without fail.

- Compact, fully automatic steam autoclave
- With a digital timer, printer connection
- Simple push-button operation and digital display
- Under temperature and over temperature alarms
- Volume should be 10.9L
- Grounded cord, double insulated constructionA front loading, corrosion resistant, stainless steel chamber, and door make this steam sterilizer extremely easy to load and clean
- For 120V 60Hz



RS-SC-200 Specifications

- Pressure: 15-18 psi
- Internal Temperature: 121-124°C
- Temperature Low Tolerance: 121°C
- Temperature Upper Tolerance: 124°C
- Preheat Mode: Automatic
- Sterilization Time: 30 minutes
- Dry Mode: 30 minutes
- Printer: Zebra LP2844 recommended (printer not included)
- Capacity: 12.5L
- Maximum Load Configuration: 3.5 lb.
- Net Weight: 9.1kg (20lbs)
- Power Requirements: 120 VAC, 500 W, grounded cord
- Display: Digital time temperature and pressure
- Durability: Stainless steel chamber and rugged ABS enclosure
- Dimensions:
 - External: L × W × D: 16 × 13.5 × 21 in. (40.6 × 34.3 × 53.3cm)
 - Internal: L × D: 12 × 9 in. (30.5 × 22.9cm)
- Safety Approvals: FDA listed (K112811), CE marked, IEC compliant

ORDERING INFORMATION:

Internal dimensions: 9 × 10.5 in. (22.9 × 26.7cm)

WARRANTY:

Two year warranty included.

CERTIFICATIONS:

FDA listed (K112811), CE marked

Cat. No.	Description	Price
S05982	Steam Autoclave	1524.00/Ea
S05982P	Steam Autoclave with Printer	1702.00/Ea

Spectrophotometers

Thermo Scientific™ NanoDrop™ Lite Spectrophotometer

The Thermo Scientific™ NanoDrop Lite Spectrophotometer is a compact, personal UV-Vis microvolume spectrophotometer that complements the full-featured NanoDrop 2000/2000c and NanoDrop 8000 instruments.

The NanoDrop Lite performs basic microvolume measurements. Its compact design, with built-in controls and software, make the NanoDrop Lite small enough to fit on any benchtop. The patented sample retention system allows sample to be pipetted directly onto the optical measurement surface. After measurement the sample is wiped off the measurement surface with a lint free lab wipe.



- Measures nucleic acid concentration at 260nm and purity using the 260/280 ratio
- Measures purified protein concentration at 280nm
- Employs the unique NanoDrop microvolume sampling technology
- Delivers the accuracy and reproducibility expected from NanoDrop instruments
- Uses built-in controls and software—no computer required
- Optional accessory printer for cryogenic labels available
- Single sample (1-2uL)
- LCD Display
- Detection limits: 0.12mg/mL to 45mg/mL (BSA); 4ng/μ
- Detector: Silicone diode
- Measurement time: <5 sec.
- UL/CSA and CE

Cat. No.	Description	Price
S07018	NanoDrop Lite	5250.00/Ea

Thermo Scientific™ SPECTRONIC™ 200 Spectrophotometer

The new standard for rugged, simple-to-use visible spectrophotometers for teaching and routine applications.

Delivering quick, convenient measurements in the hands of novice users, the SPECTRONIC 200 spectrophotometer is the perfect fit for the teaching lab.



- Modern on-board software provides total control without a computer
- Coarse/fine wavelength setting
- Adjustable tilt screen
- Sealed keys
- Classroom-friendly, adaptable sample compartment
- Convenient cuvet rack compartments
- Sloping surfaces discourage balancing of samples on unit
- Single beam
- Wavelength: 340 to 1000nm
- LCD display
- For 100/240V 50/60Hz
- Tungsten halogen lamp

Cat. No.	Description	Price
S06240	SPECTRONIC 200 Spectrophotometer	1699.00/Ea

Thermo Scientific™ GENESYS™ 30 Visible Spectrophotometer

Perform both basic and complex analyses with the Thermo Scientific™ GENESYS™ 30 Visible Spectrophotometer, an intuitive, reliable solution for education or in the lab.

Get high precision and functionality in a simple yet sophisticated visible spectrophotometer. The Thermo Scientific™ GENESYS™ 30 Visible Spectrophotometer performs both basic and complex analyses for educational or industrial use. Its intuitive design allows students and teachers to focus on scientific data and concepts rather than on learning how to use the instrument. In the lab, technicians of all levels working in routine QA/QC applications can easily obtain credible results to confirm quality or inform next steps. Results can be reported quickly as digital or printed data.

The GENESYS 30 visible spectrophotometer brings you intuitive design, a high definition color screen, fast and accurate measurements, and convenient data reporting. It is the ideal instrument for any user, whether a novice student or an experienced lab associate.

Product FEATURES:

- Entirely new industrial design for better usability
- High definition 5-inch color screen with rubberized push-button keypad for easy navigation
- Single cell measurement with removable, washable sample compartment liner
- Cell holders for standard cell types including test-tubes
- New onboard software UI; Thermo Scientific™ VISIONlite™ PC software is optional
 - Data any way you want it
 - USB data export in a text format that's easy to read and process
- Excellent snap-on thermal printer
- Three-year warranty and skilled technical support

Educator benefits:

Meets curriculum requirements for:

- Single wavelength
- Scanning
- Beer's Law
- Colorimetry/ colorimetric analysis
- Quantitative analysis

Lab associate benefits:

- Higher data confidence with 6-point quant plus concentration mode
- Multiple local language choices



Cat. No.	Description	Price
S28454	GENESYS 30	2936.00/Ea

Thermo Scientific™ GENESYS™ 50 UV-Vis Spectrophotometer

For teaching labs or quality control experts who require ruggedness, ease-of-use and software capability in UV-Vis spectrophotometry.

The GENESYS 50 is a dual beam UV-Vis spectrophotometer in a single-cell configuration that meets all of the specifications for critical quality control applications and precise chemical measurements. The GENESYS 40 Dual Beam Vis Spectrophotometer is a visible spectral region version in this instrumental class. Both feature data resolution from 0.2 nm to 5 nm.

FEATURES:

- 7-inch high-resolution touchscreen user interface
- Local control for speed and reliability
- Networking capable (Wi-Fi ready)
- Large sample compartment with front access

Designed for:

- Chemistry labs
- Routine measurements
- Moderate throughput requirements



Cat. No.	Description	Price
S72304	Uv-Vis Spectrophotometer	6317.00/Ea

Fisher Scientific™ Educational Spectrophotometer

Precision, low-cost spectrophotometer designed especially for high schools.

Performs well in the analysis of chlorophyll, equilibrium determinations, Beer's Law studies, water analysis and chemical and biological fluids.

- Large digital readout for absorbance or transmittance
- Built-in second-order filters for greater precision
- Wavelength adjustment dial built to withstand heavy use

INCLUDES:

Spectrophotometer, 12 Round cuvette; 0.5 in. round cuvet holder, 10mm square cuvet adapter, User's manual, Lab manual with five experiments

Specifications:

- Wavelength Range: 400 to 1000nm
- Spectral Slit Width: 20nm
- Wavelength Accuracy: ± 3 nm
- Wavelength Reliability: 2nm
- Stray Radiant Energy: 2% at 400nm
- Photometric Range: 0%T to 100%T, 0A to 1.99A
- Photometric Accuracy: ± 4 %T
- Photometric Noise: ± 1.0 %
- L x W x H: 16 x 12 x 7 in. (40.6 x 30.5 x 17.8cm)
- For 120V



Cat. No.	Description	Price
S42669ND	Educational Spectrophotometer	1235.00/Ea

Visible Spectrophotometer

Features built-in filters for easy operation

Economical spectrophotometer is designed for quick and easy use in the chemistry, biology, and any general-purpose laboratory. The continuous wavelength range of 335-1000nm and the push-button auto-zero function provide a broad working range. Features an analog output that can be used with the Fisher Scientific™ LogIT data acquisition system and a square, 10mm path length cuvet adapter with a 13mm test tube holder. Displays percent transmittance and absorbance on a large LCD readout. Included with the spectrophotometer are 12 test tubes, dust cover, and an experiment/operator's manual that contains 10 experiments for spectroscopy, chemistry, and biology.

ORDERING INFORMATION:

Dimensions/Weight: 12 1/8L x 16 1/8W x 7 1/8 in.H, 14 5/8 lbs
Electrical requirements: 115/230V ± 10 %, 60/50Hz, selectable

INCLUDES:

Included with the spectrophotometer are 12 test tubes and a dust cover.

Specifications:

- Spectral slit width: 20nm
- Optical system: single-beam grating system, 1200 lines/mm
- Wavelength range: 335-1000nm (visible)
- Wavelength accuracy: ± 2 nm
- Repeatability: ± 1 nm
- Stray light: < 0.5 %T at 340 and 400nm
- Photometric Range: 0-125%T, 0-2A
- Photometer accuracy: ± 2.0 %T
- Light source: tungsten halogen lamp, 6V/10w
- Data output: analog



Cat. No.	Description	Price
S63166A	Visible Spectrophotometer	1537.00/Ea

Spectrophotometer with Computer Interface

Designed for use in general chemistry, biochemistry, environmental chemistry, water testing, and other areas. PRINT button sends the data to a computer for analysis. NOTE: The advanced data acquisition software, S83182, is required to retrieve this data on your computer. Analog output allows a data acquisition system, such as Fisher's LogIT system, to retrieve data without the need for special software.

Features

- 10nm spectral bandpass for better resolution
- Standard RS-232-C port
- Auto-zero button
- Concentration/factor (dilution) modes
- LCD to display absorbance, percent transmittance, and concentration
- 12 test tubes
- Dust cover

Specifications

- Spectral slit width: 10nm
- Optical system: single-beam grating system, 1200 lines/mm
- Wavelength range: 335-1000nm (visible)
- Wavelength accuracy: ± 2 nm
- Repeatability: ± 1 nm
- Stray light: < 0.5 % T at 340 and 400nm
- Photometric range: 0 to 125% T, 0 to 2A, 0 to 1999°C (0-1999°F)
- Photometric accuracy: ± 1.0 %T
- Light source: tungsten halogen lamp, 6V/10w
- Data output: Analog and RS-232-C serial port

ORDERING INFORMATION:

Dimensions: 12 1/8L x 16 1/8W x 7 1/8 in.H
Weight: 14 5/8 lb.
Electrical requirements: 115/230V ± 10 %, 60/50Hz selectable



Cat. No.	Description	Price
S83181	Spectrophotometer with Computer Interface	1351.00/Ea

Washers

Labconco™ FlaskScrubber™ Laboratory Glassware Washers



- One-piece, stainless steel, fine mesh particle drain filter
- Tall spindles hold flasks from 50mL to 2000mL, small spindles from 1mL to 25mL
- Forced air drying into tank programmable up to 250min. and from 38-70°C (100-158°F)
- Standard models also have forced air drying through spindles (Into tank only on ADA models)
- Steam generator produces hot vapor to soften dried contaminants for more effective cleaning
- Upper and lower wash arms (360° rotating) distribute water and detergent
- Separate pumps for washing and draining reduce potential for cross contamination
- Aluminum-backed insulation and fiberglass blanket for thermal and sound insulation
- Programs may be locked to prevent unauthorized changes
- Audible/visual alarms alert user to abnormal or unsafe events
- User-set delayed start (up to 8 hours)
- Sanitizing heat: water temperatures up to 93°C (199°F) on some models
- Built-in purified water pump to bring purified water into tank for up to 6 pure water rinses

- Manual-fill detergent dispenser for powder or liquid detergent and manual-fill rinse aid solution dispenser
- Optional clear tempered safety glass viewing window and 25w interior light that illuminates when door is latched
- Four leveling feet, 9.52mm (0.375 in.) female NPT inlet fitting for hot tap water connection
- Factory-installed drain hose and band clamp
- Pump rated at 363L/min. (96 gal./min) when operated on 115V, 60Hz and 230V, 50Hz and 424L/min. (112 gal./min.) on 230V, 60Hz
- Drain pump to evacuate over 26L/min. (7 gal./min.)
- Operation at 58dB
- Standard Open Racks, Spindle Racks, and most accessories are interchangeable between FlaskScrubber and SteamScrubber Glassware Washers

INCLUDES:

One lower spindle rack, of Type 304 stainless steel, with 36 detachable large spindles, 18 glassware holders, 36 clips and 10 additional interchangeable small spindles

**REQUIRES:**

Detergent, 20A circuit breaker, 9.52mm (0.375 in.) O.D. copper tubing for connection to water inlet valve, Purified water with supply piping minimum 9.52mm (0.375 in.) I.D. to permit at least 0.9gal. (3.4L)/min. flow

WARRANTY:

2 years parts and labor

Cat. No.	Electrical Requirements	Includes	Dimensions	Price
Freestanding				
S28349	115V, 60Hz, 16A	One lower spindle rack	69.8D × 61.4W × 86.8 - 91.9cm H (27.5 × 24.2 × 34.2 - 36.2 in.)	11861.00/Ea
S28346	208/230V, 50/60Hz, 11A	One lower spindle rack	69.8D × 61.4W × 86.8 - 91.9cm H (27.5 × 24.2 × 34.2 - 36.2 in.)	12306.00/Ea
S28347	115V, 60Hz, 16A	One lower spindle rack, viewing window and light	69.8D × 61.4W × 86.8 - 91.9cm H (27.5 × 24.2 × 34.2 - 36.2 in.)	12703.00/Ea
S28348	208/230V, 50/60Hz, 11A	One lower spindle rack, viewing window and light	69.8D × 61.4W × 86.8 - 91.9cm H (27.5 × 24.2 × 34.2 - 36.2 in.)	13179.00/Ea
Std. Undercounter				
S28342	115V, 60Hz, 16A	One lower spindle rack	69.5D × 61.2W × 86.6 - 91.6cm H (27.4 × 24.1 × 34.1 - 36.1 in.)	11363.00/Ea
S28343	208/230V, 50/60Hz, 11A	One lower spindle rack	69.5D × 61.2W × 86.6 - 91.6cm H (27.4 × 24.1 × 34.1 - 36.1 in.)	11834.00/Ea
S28344	115V, 60Hz, 16A	One lower spindle rack, viewing window and light	69.5D × 61.2W × 86.6 - 91.6cm H (27.4 × 24.1 × 34.1 - 36.1 in.)	12009.00/Ea
S28345	208/230V, 50/60Hz, 11A	One lower spindle rack, viewing window and light	69.5D × 61.2W × 86.6 - 91.6cm H (27.4 × 24.1 × 34.1 - 36.1 in.)	12681.00/Ea
Low Undercounter				
S28350	115V, 60Hz, 16A	One lower spindle rack	69.5D × 61.2W × 83.5 - 88.6cm H (27.4 × 24.1 × 32.9 - 34.9 in.)	11314.00/Ea
S28351	208/230V, 50/60Hz, 11A	One lower spindle rack	69.5D × 61.2W × 83.5 - 88.6cm H (27.4 × 24.1 × 32.9 - 34.9 in.)	11782.00/Ea
S28352	115V, 60Hz, 16A	One lower spindle rack, viewing window and light	69.5D × 61.2W × 83.5 - 88.6cm H (27.4 × 24.1 × 32.9 - 34.9 in.)	12168.00/Ea
S28353	208/230V, 50/60Hz, 11A	One lower spindle rack, viewing window and light	69.5D × 61.2W × 83.5 - 88.6cm H (27.4 × 24.1 × 32.9 - 34.9 in.)	12626.00/Ea

Additional Spindle or Open Racks are available for increased flexibility with glassware types (sold separately)

Labconco™ SteamScrubber™ Laboratory Glassware Washers

The SteamScrubber Laboratory Glassware washer is flexible, energy-efficient glassware washer with maximum cleanability for washing and drying beakers and other wide-mouth or specialized glassware.

- One-piece, stainless steel, fine mesh particle drain filter
- Forced air drying into tank programmable up to 250 minutes and from 38-70° C (100-158° F)
- Steam generator produces hot vapor to soften dried contaminants for more effective cleaning
- 360° rotating upper, middle, and lower wash arms distribute water and detergent
- Separate pumps for washing and draining reduce potential for cross contamination
- Aluminum-backed insulation and fiberglass blanket for thermal and sound insulation
- Programs may be locked to prevent unauthorized changes
- Audible/visual alarms alert user to abnormal or unsafe events
- User-set delayed start (up to 8 hours)
- Built-in purified water pump to bring purified water into the tank for up to 6 pure water rinses
- Manual-fill detergent dispenser for powder or liquid detergent and rinse aid solution dispenser
- Optional clear tempered safety glass viewing window and 25-watt interior light that illuminates when door is latched
- Four leveling feet, 9052mm (0.375 in.) Female NPT inlet fitting for hot tap water connection
- Factory-installed drain hose and band clamp
- Pump rated at 363L/min. (96 gal./min.) when operated on 115V, 60Hz and 230V, 50Hz and 424L/min. (112 gal./min.) on 230V, 60Hz
- Drain pump to evacuate over 26L/min. (7 gal./min.)
- Operation at 58dB
- Standard open racks, Spindle racks, and most accessories are interchangeable between FlaskScrubber and SteamScrubber glassware washers



REQUIRES:

Detergent, 20A circuit breaker, 9.52mm (0.375 in.) O.D. copper tubing for connection to water inlet valve, Purified water with supply piping minimum 9.52mm (0.375 in.) I.D. to permit at least 0.9gal. (3.4L)/min. flow

WARRANTY:

2 years parts and labor

Cat. No.	Includes	Electrical Requirements	Dimensions:	Price
S28390	Upper Standard (1) and lower Standard (1) open rack, viewing window and light	115V, 60Hz, 16A	69.5D × 61.2W × 86.6 - 91.6cm H (27.4 × 24.1 × 34.1 - 36.1 in.)	9644.00/Ea
S28391	Upper Standard (1) and lower Standard (1) open rack, viewing window and light	208/230V, 50/60Hz, 11A	69.5D × 61.2W × 86.6 - 91.6cm H (27.4 × 24.1 × 34.1 - 36.1 in.)	10095.00/Ea
S28392	Upper Standard (1) and lower Standard (1) open rack	115V, 60Hz, 16A	69.8D × 61.4W × 86.8 - 91.9cm H (27.5 × 24.2 × 34.2 - 36.2 in.)	9270.00/Ea
S28393	Upper Standard (1) and lower Standard (1) open rack	208/230V, 50/60Hz, 11A	69.8D × 61.4W × 86.8 - 91.9cm H (27.5 × 24.2 × 34.2 - 36.2 in.)	9749.00/Ea
S28394	Upper Standard (1) and lower Standard (1) open rack, viewing window and light	115V, 60Hz, 16A	69.8D × 61.4W × 86.8 - 91.9cm H (27.5 × 24.2 × 34.2 - 36.2 in.)	10132.00/Ea
S28395	Upper Standard (1) and lower Standard (1) open rack, viewing window and light	208/230V, 50/60Hz, 11A	69.8D × 61.4W × 86.8 - 91.9cm H (27.5 × 24.2 × 34.2 - 36.2 in.)	10596.00/Ea
S28396	Upper Standard (1) and lower Standard (1) open rack	115V, 60Hz, 16A	69.5D × 61.2W × 83.5 - 88.6cm H (27.4 × 24.1 × 32.9 - 34.9 in.)	8750.00/Ea
S28397	Upper Standard (1) and lower Standard (1) open rack	208/230V, 50/60Hz, 11A	69.5D × 61.2W × 83.5 - 88.6cm H (27.4 × 24.1 × 32.9 - 34.9 in.)	9207.00/Ea
S28398	Upper Standard (1) and lower Standard (1) open rack, viewing window and light	115V, 60Hz, 16A	69.5D × 61.2W × 83.5 - 88.6cm H (27.4 × 24.1 × 32.9 - 34.9 in.)	9603.00/Ea
S28399	Upper Standard (1) and lower Standard (1) open rack, viewing window and light	208/230V, 50/60Hz, 11A	69.5D × 61.2W × 83.5 - 88.6cm H (27.4 × 24.1 × 32.9 - 34.9 in.)	10051.00/Ea

Spindle racks are available for increased flexibility with glassware types (sold separately)

Labconco™ SteamScrubber™ and FlaskScrubber™ 48-Pin Labware Insert

For use with SteamScrubber™ and FlaskScrubber™ Laboratory Glassware Washer. 48-Pin Labware Insert holds labware in inverted position for safe washing and drying.

- Accommodates variety of labware
- Holds glassware and other labware in inverted position for thorough washing and drying
- Type 304 stainless steel
- Stainless steel pins have plastic tips to protect glassware from scratching
- May be placed in upper or lower Standard Open or Spindle Rack in FlaskScrubber or SteamScrubber



Cat. No.	Description	Price
S28370	48-Pin Labware Insert	197.00/Ea

Labconco™ SteamScrubber™ and FlaskScrubber™ Lower Spindle Rack

Open and Spindle washer racks for Labconco Glassware washers.

- Accommodates glassware up to 47cm (18.7 in.) high without upper rack in place
- Accommodates glassware up to 27cm (10.6 in.) high with upper rack in place
- May be used in place of the Lower Standard Rack in any SteamScrubber
- Dimensions: 53.3D × 53.5W × 21.8cm H (21 × 21.1 × 8.6 in.)



Cat. No.	Description	Price
S28367	Lower Spindle Rack	2632.00/Ea

WARRANTY:

1 year

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Water Baths

Edvotek™ Digital Shaking Water Bath

Offer exceptional temperature control from ambient to 99°C.



Designed for the precise sample incubation when aeration and agitation are required.

- Feature a stainless-steel chamber
- Maximum temperature: 99°C (210°F)
- Accuracy of ±0.5°C
- 10L chamber size: 12 × 9 × 6 in. (30.5 × 22.9 × 15.2cm)
- 20L chamber size: 19.5 × 11.5 × 6 in. (49.5 × 28.7 × 15.2cm)
- For 120V
- Shipping Weight: 19.4 lb.

Cat. No.	Description	Price
S05876	Digital Shaking Water Bath	2090.00/Ea

Edvotek™ 10L Digital Water Bath

The all-new Edvotek 10 L waterbath incorporates digital temperature control and a low water sensor to prevent burn-outs plus the deep chamber holds virtually any bottle or flask.



- Low-water sensor prevents burnouts
- Deep chamber holds virtually any bottle or flask
- Corrosion-resistant stainless-steel chamber
- Chamber temperature controlled from ambient to 95°C (205°F) with cover
- Maximum temperature: 95°C (205°F)
- Chamber size: 8.5 × 15 × 6 in. (21.6 × 38.1 × 15.2cm)
- For 120V

INCLUDES: Cover

Cat. No.	Description	Price
S97811	10L Digital Waterbath	856.00/Ea

Edvotek™ 1.8L Digital Water Bath

One-piece seamless, stainless-steel chamber is corrosion resistant.

- Digital temperature control
- Low-water sensor prevents burnouts
- Deep chamber holds bottles and flasks
- Ideal for enzyme incubations
- Maximum temperature: 95°C (203°F)
- Temperature accuracy: ±1°C
- Chamber size: 5.5L × 6W × 4 in.D (14 × 15.2 × 10.2cm)
- For 120V



INCLUDES: Cover

Cat. No.	Description	Price
S37220	1.8L Digital Water Bath	494.00/Ea

Poly Pro Water Bath

Seamless polypropylene chamber



Low-cost bath features unique chemical-resistant, easy-clean chamber that will not distort or bend during use. Patent pending Wave On Technology low-water detection system sounds alarm and turns off heater if water level drops below one inch.

- Temperature range: ambient to 99.9°C with uniformity to ±0.4°C
- Digitally calibrate temperature
- Settings automatically stored in case of power failure
- Large digital display
- For 120V

CERTIFICATIONS: ISO 9001:2000

Cat. No.	Description	Price
S90307	Poly Pro Water Bath	583.00/Ea

Double Poly Pro Water Bath

Patent-pending WaveOn™ water-sensing technology detects low water levels.

- Temperature range: ambient to 99.9°C
- Digital microcomputer provides display accuracy and temperature uniformity of $\pm 0.4^\circ\text{C}$ without temperature drift
- Calibrate temperature digitally
- User friendly two-button operation, clear instructions printed on front label
- Large three-digit temperature display
- Settings automatically stored in case of power failure
- Low-water detection system sounds alarm and shuts off power if water level drops below 1 in. (2.5cm)

Construction

- Two polypropylene chambers keep media warm or provide precise temperature control for PCR procedures
- Each chamber holds 1.4 gal. (5.5L)
- Chamber surface resists distortion, corrosion and chemical attack; nonstick glossy finish is easy to clean
- Chamber's wide flange extends over top edge of exterior to prevent water from leaking into and damaging the electronics
- Durable, nonconductive polypropylene interior and exterior provide double insulation to protect against electrical shocks
- Sturdy, see-through cover
- Outside W x D x H: 22 x 18 x 5 3/4 in. (56 x 45.5 x 14.7cm)
- Power: 100/240V 50/60Hz



WARRANTY:
Two years

CERTIFICATIONS:
ISO 9001:2000

Cat. No.	Description	Price
S97248	Double Poly Pro Water Bath	933.00/Ea

fisherbrand Isotemp™ General Purpose Deluxe Water Bath

Choose general purpose water baths, designed to provide consistent temperature for reliable results with easy-to-use operation

Ideal for industrial, clinical pharmaceutical or biomedical applications, Fisher Scientific™ Isotemp™ general purpose deluxe water baths provide powerful technology in a compact design. Isotemp water baths are designed to provide consistent temperature for reliable results with easy-to-use operation.

- Smaller footprint, compared to previous models
- Advanced temperature controller is designed for extended functionality
- Conveniently save commonly used settings with temperature presets
- Simple to operate and monitor with icon-based graphical display
- Enhanced hinge design supports open lid configuration and easy lid removal
- Help prevent bath damage and overheating with low-fluid protection
- New audible alarms
- For 120V 60Hz
- Capacity: 5L (1.3 gal.)
- Temperature range: Ambient to 100° C



Cat. No.	Description	Price
S28124	Isotemp 5L GP Bath	835.00/Ea

Thermo Scientific™ Precision™ Shaking Water Baths

Shaking water baths support a range of sensitive life science and QA/QC applications, from warming fragile reagents to tissue culturing and genetics sequencing.

Easily clean and maintain your bath with new coil-free interior. The Precision shallow form shaking bath has a removable tray that allows for use with smaller sample containers. Precision Dubnoff shaking water baths are designed specifically for applications that require your samples to be incubated in a controlled atmosphere.

- Easily clean and maintain bath with coil-free design
- Optimize scheduling with auto-on and auto-off timers
- Help prevent bath overheating and damage with low-fluid protection
- Conveniently save commonly used settings with four temperature and shaking speed presets
- Help protect your work with audible alarms
- Easily operate and monitor with icon-based graphical display
- Accommodate taller labware with new hinged lid and extended height
- Features next-generation shaker motor



Specifications

Temperature Range (Metric)	Amb. +5°C to 100°C
Temperature Uniformity	±0.05 °C
Temperature Stability	±0.1 °C
Temperature Presets	4
Controller Type	Digital
Display	Monochrome LCD
Cabinet Material	Epoxy Powder Coated Cold Rolled Steel
Chamber Material	304 Stainless Steel
Includes	Stainless Steel Gable Cover, Shaking Tray, and Rubber Duck
Certifications/Compliance	UL, CE

Cat. No.	Model	Bath Volume	Electrical Requirements	Price
S37368	Precision SWB 15	15L (4.0 Gal)	Global Voltage 100-115V/200-230V, 50/60Hz	2896.00/Ea
S37370	Precision SWB 15S	15L (4.0 Gal)	Global Voltage 100-115V/200-230V, 50/60Hz	4067.00/Ea

Thermo Scientific™ Precision™ General Purpose Baths

Support a wide range of applications with general purpose water baths, designed to maintain temperature from ambient to 100°C. High-performance baths range from 2L to 28L.

Over-temperature safety circuitry is designed to prevent thermal runaway, while new auto-on and auto-off timers allow you to optimize operation schedules. Benefit from outstanding chemical and corrosion resistance with epoxy powder-coated exterior, easily clean the chamber with its seamless stainless steel interior.

- Free up valuable bench space with smaller footprint, compared to previous models
- Advanced microprocessor controller is designed for extended functionality
- Protect your work with audible alarms
- Conveniently save commonly used settings with four temperature presets
- Simple to operate and monitor with icon-based graphical display
- Enhanced hinge design supports open lid configuration and easy lid removal
- Help prevent bath damage and overheating with low-fluid protection
- Simplify operation with quick disconnect drain on 10, 20, and 28L and dual models
- Warranty varies by country, please contact us for details



Cat. No.	Description	Price
S37361	2L	937.00/Ea
S37362	2L	937.00/Ea
S37363	5L	1081.00/Ea
S37364	10L	1268.00/Ea
S37365	20L	1560.00/Ea
S37366	28L	2202.00/Ea
S37367	15L	2152.00/Ea

DISCLAIMERS:

Disclaimer to internal research use restriction: Any restrictions on the purchaser to utilize the product(s) for internal research purposes only does not apply to the product(s) on the web pages associated with this statement.

Water Purification

Fast Output Teaching Still

Produces 4L of distilled water per hour and is easy to use.



This still lets you produce quality distillate while demonstrating the distillation process through a crystal-clear borosilicate glass boiler and a high-efficiency coil condenser. It is easy to use and safe to operate. A 3kW chromium-plated heater boils the water and the high-efficiency condenser provides distilled water output at 25° to 35°C (minimum water supply flowrate 1L/min.).

- Simple to install
- Strong metal stand for either bench or wall mounting
- Condenser plumbing connections are via screwhead connectors so hose can be fitted or removed safely
- Distilled water is produced at a rate of 4L/hr.
- Quality of effluent complies with ASTM™ Type 4 and the European Pharmacopoeia for Purified Water
- Built-in thermostat protects heater in the event of water supply failure, resets it automatically when the still has cooled
- Unit can be cleaned without cumbersome dismantling; cleaning agents can be added to boiler through built-in funnel
- Stopcock provided for draining

Specifications:

- 220/240V, 50/60Hz
- Dimensions: 20 × 6 × 18 in. (50 × 15 × 45cm)
- Weight: 13.25 lb. (6kg)
- Replaceable components are available for this item

Cat. No.	Description	Price
S50923	4L/hr Merit	2252.00/Ea

Thermo Scientific™ Demineralizer Cartridges

Special resin dye changes color when cartridge is exhausted.

Hose nipples on each end of these cartridges easily connect to your water supply with ordinary lab tubing (0.3 in. I.D. [9.5mm]). Resins in the deionization cartridge contain a special dye that changes color when the cartridge is exhausted.



High-Capacity Cartridge

- Has a two-bed demineralizer with selected cation and anion resin beds
- Delivers more liters per cartridge than mixed-bed types
- Average resistance of effluent is 175kilohm-cm
- Total ion-exchange capacity is 1725 grains (as NaCl)

UltraPure Cartridge

- Produces high-resistance demineralized water from tap water
- Increases purity of water from central demineralizer
- Total ion-exchange capacity is 1200 grains (as NaCl), 849 grains (as NaCl) to 1 megohm-cm endpoint
- pH is usually between 6.8 and 7.2
- Water is largely free of silica and CO₂

Cat. No.	Description	Price
S50915	High-Capacity Demineralizer Cartridge	166.00/Ea
S50914	Ultra-Pure Demineralizer Cartridge	166.00/Ea
S50913	Demineralizer Mult Cartridge	161.00/Ea
S50913UP	Type M UltraPure Cartridge	175.00/Ea

Thermo Scientific™ Deionizer

Easy to use.

Connects to water line through 35.8 in. (91cm) plastic tube. With inlet flow adjustment valve, drain valve and removable pedestal.

- For 120V 50/60Hz.
- Delivers a continuous flow of demineralized water from 19 to 38L/hr.
- Meter shows resistance of effluent from 25,000 to 18,000,000 ohms-cm (indicates purity of high capacity or ultrapure cartridge effluent)
- Shows when to replace disposable cartridges

REQUIRES: Filter

Cat. No.	Description	Price
S50816	Deionizer	1347.00/Ea



Lab Supplies and Consumables

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Filtration	414-415		

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NEW Featured Products



Easy to Read

Make use of the blue printed graduations, spout, and thumb-grip handle.

Description	Cat. No.	Price
Eisco™ TPX Measuring Jug, 100mL	S88824	\$3.50
Eisco TPX Measuring Jug, 250mL	S88825	\$5.80
Eisco TPX Measuring Jug, 600mL	S88826	\$9.10
Eisco TPX Measuring Jug, 1000mL	S88827	\$19.25
Eisco TPX Measuring Jug, 2000mL	S88828	\$18.50



Stable and Mess Free

Shop high-quality borosilicate glass cylinders with printed graduations.

Description	Cat. No.	Price
Eisco Class A Glass Graduated Cylinder, 5mL	S88424	\$3.35
Eisco Class A Glass Graduated Cylinder, 10mL	S24502	\$3.55
Eisco Class A Glass Graduated Cylinder, 25mL	S24503	\$6.10
Eisco Class A Glass Graduated Cylinder, 50mL	S24504	\$6.50
Eisco Class A Glass Graduated Cylinder, 100mL	S24505	\$7.85
Eisco Class A Glass Graduated Cylinder, 250mL	S24506	\$11.00
Eisco Class A Glass Graduated Cylinder, 500mL	S24507	\$16.25
Eisco Class A Glass Graduated Cylinder, 1000mL	S24508	\$27.25



Improved Efficiency

Produce exceptional power with high-speed stirring.

Description	Cat. No.	Price
Bel-Art™ Stir Bar, Octagonal, Green	S80744	\$82.50
Bel-Art Stir Bar, Elliptical, White, 76 x 19.1mm	S80745	\$29.75
Bel-Art Stir Bar, Elliptical, White, 63.5 x 19mm	S80746	\$26.50



For Use with Chemistry Glassware

Read temperatures from -10° to 250°C with red liquid against a white background.

Description	Cat. No.	Price
Bel-Art Thermometer	S80747	\$68.75



Efficient for Large Volumes

Filter quickly using your choice of filter plate.

Description	Cat. No.	Price
Bel-Art Buchner Funnel, Coarse, Removable Plate	S80748	\$386.00
Bel-Art Buchner Funnel, Medium, Fixed Plate	S80749	\$386.00
Bel-Art Buchner Funnel, Medium, Removable Plate	S80750	\$386.00
Bel-Art Buchner Funnel, Perforated, Fixed Plate	S80751	\$386.00
Bel-Art Buchner Funnel, Perforated, Removable Plate	S80752	\$386.00

Lab Supplies & Consumables

Bags

Specimen Bags

Ideal for storing specimens between dissecting sessions.

- Excellent for field collecting
- Extra-heavy gauge polyethylene construction resists tears and punctures
- Positive zipper-style closure ensures airtight seal



ORDERING INFORMATION:
Pack of 1000.

Cat. No.	Length (English)	Width (English)	Price
S31798A	3.9 in.	3.9 in.	20.50/Cs
S31798B	5.9 in.	9 in.	47.25/Cs
S31798C	9 in.	11.7 in.	100.00/Cs
S31798D	11.7 in.	14.8 in.	140.00/Cs

SP Scienceware™ Benchtop Biohazard Bag Holder Kit

Economical and convenient, this benchtop disposal system is perfect for collecting pipette tips, microcentrifuge tubes, etc. during daily use

- Snug fitting polypropylene plastic cover helps hold the bag securely in place
- Reusable; can be cleaned by hand or in automated dish washers
- Autoclavable
- Cover provides compliance with 29 CFR 1910.1030(d)(2)(xiii)(A), which requires a cover on any container used to store, transport, or ship biohazardous wastes
- Kit includes 100 Bench Top Biohazard Bags (S04788A); can also be used with Clavies Autoclavable Bags (S503972)
- For use with Clavies™ autoclavable bags (S503972)



Cat. No.	Description	Price
S50397A	Poxygrid Biohazard Bag Holder	40.00/Ea
S04788	Bag Holder Cover	13.00/Ea
S04788B	Poxygrid Biohazard Bag Holder Kit	55.00/Ea

SP Scienceware™ Benchtop Biohazard Waste Disposal Bags

Bright red, autoclavable bags feature one long flap for easy opening and disposal of tips and tubes.

- 8½ × 11 in.
- HDPE
- Size allows the bag to be inverted over user's hand to safely pick up waste
- Printed with the biohazard symbol and sterilization indicator patch
- Constructed from high molecular weight, high-density (HMHD) polyethylene
- Pass ASTM 1922 Tear Resistance and ASTM 1709 Dart Impact Tests
- Steam autoclavable at 121°C (250°F)
- For space-saving waste disposal, use with Polxygrid™ Desk Model Bag Holder (S50397A)



Cat. No.	Description	Price
S04788A	Benchtop Biohazard Waste Bag	26.25/Ea

Beakers

AquaPhoenix™ Beaker Set

Ideal for laboratory use.



- Glass
- One each of 50, 125, 250, 600 and 1000mL

Cat. No.	Description	Price
S04405	Beaker Set	39.75/Pk

PYREX™ Beaker Set

Five popular sizes in one set.

- Convenient set provides the sizes you need without purchasing multiple packs
- Set contains one each of 50, 100, 250, 600 and 1000mL
- Graduated with white scale



Cat. No.	Description	Price
S63266	Beaker Set	43.50/Cs

Eisco Low-Form Borosilicate Glass Beakers

These high quality, affordable beakers are perfect for any science classroom or home lab.



Cat. No.	Capacity	Price
S15428	10mL	9.70/Pk
S15430	50mL	11.00/Pk
S15431	100mL	14.25/Pk
S15432	150mL	16.25/Pk
S15433	250mL	19.25/Pk
S15434	400mL	19.75/Pk
S15435	600mL	20.50/Pk

Eisco Low-Form Borosilicate Glass Beakers



These low form beakers are made by hand from high quality borosilicate 3.3 glass. They are extremely durable, have low temperature gradients, and superior chemical durability.



- Made from high quality borosilicate 3.3 glass
- White graduations for easy visibility (not available for 5mL and 10mL sizes)
- Low temperature gradient - can withstand high temperatures and thermal shocks
- Superior chemical durability
- Low form
- Autoclavable at 121°C
- In compliance with DIN 12231 and ISO 3819 standards

Cat. No.	Capacity	Price
S39780	5mL	4.50/Ea
S39781	10mL	5.65/Ea
S39782	25mL	6.75/Ea
S15438	100mL	3.25/Ea
S40887	150mL	3.10/Ea
S15439	250mL	3.25/Ea
S15440	400mL	4.45/Ea
S40888	600mL	5.70/Ea
S15442	1000mL	9.75/Ea
S15443	2000mL	16.75/Ea
S40889	5000mL	84.00/Ea

Low-Form Griffin Beakers

With spout.

- Thick, slightly flared, beaded top
- With spout designed to have excellent pouring characteristics
- Uniform Kimax™ KG-33 glass walls throughout
- Durable matte-finish marking area for use with an ordinary pencil
- Easy-to-read white graduated scale on 0.67 to 33.8 oz. (20 to 1000mL) sizes for measuring and/or mixing liquids where a high level of accuracy is not required



COMPLIANCE:

Glass meets Type 1, Class A, ASTM™ E-438 standards. Beaker designed to ASTM E-960, Type I specification requirements.

Cat. No.	Capacity	Price
S00001	10mL	46.00/Pk
S00005	50mL	49.25/Pk
S00006	100mL	47.00/Pk
S00007	150mL	44.75/Pk
S00008	250mL	47.25/Pk
S00009	400mL	60.25/Pk
S00010	600mL	32.75/Pk
S00012	1000mL	60.75/Pk

KIMAX™ Low-Form Beaker

Thick-walled beakers for a standard of durability in the classroom

- Beaded top, with spout designed to prevent dripping
- Durable borosilicate glass beakers
- Graduated scales
- Large, scratch and chemical-resistant marking spot



Cat. No.	Capacity	Price
S307303	50mL	91.00/Pk
S307304	100mL	66.00/Pk
S307305	150mL	85.00/Pk
S307306	250mL	86.00/Pk
S307308	600mL	64.75/Pk
S3073010	1000mL	119.00/Pk

Heavy-Duty Low-Form Beakers

With capacity scale.

- Thick uniform walls throughout
- Extra wall thickness built into evenly tooled top rim
- Spout designed for optimum performance
- Heavy Kimax KG-33 glass construction prolongs life expectancy with harder than normal usage (i.e., mechanical shock)
- Durable matte-finish marking area and a white graduated scale



Not recommended for use on hotplates where significant thermal gradients exist due to lack of agitation of contents or absence of a temperature control.

COMPLIANCE:

Glass meets Type 1, Class A, ASTM™ E-438 standard. Beaker designed to ASTM E-960, Type II specification requirements.

Cat. No.	Capacity	Price
S00016	150mL	102.00/Pk
S00017	250mL	114.00/Pk
S00019	600mL	88.00/Pk

PYREX™ Griffin Low-Form Beaker with Double Graduated Metric Scale

Offers optimum balance between thermal shock resistance and mechanical strength. PYREX™ Griffin Low Form Beakers feature a double graduated metric scale to indicate approximate content and an extra large marking spot.

- Offers optimum balance between thermal shock resistance and mechanical strength
- Double graduated metric scale indicates approximate content
- Manufactured with uniform wall thickness
- With extra large marking spot
- With spout



Cat. No.	Capacity	Price
S14276	1000mL	107.00/Pk
S14279	3000mL	36.75/Ea
S14280	4000mL	114.00/Ea

PYREX™ VISTA™ Griffin Beakers

Provide balance between thermal shock resistance and mechanical strength.

- Extra-large marking spot
- 250 through 1000mL beakers have a double-graduated metric scale to indicate approximate content



COMPLIANCE:

Designed to ASTM™ E-960.

Cat. No.	Capacity	Price
S76100B	20mL	43.00/Pk
S76100C	30mL	43.00/Pk
S76100D	50mL	43.00/Pk
S76100E	100mL	45.25/Pk
S76100F	150mL	43.00/Pk
S76100G	250mL	41.25/Pk
S76100H	400mL	49.25/Pk
S76100J	600mL	31.25/Pk
S76100K	1000mL	58.00/Pk

PYREX™ Griffin Beakers

With spouts and strengthened rim with flare trimmed back that offers optimum balance between thermal shock resistance and mechanical strength.

- With pouring spout
- Extra-large marking spot
- Dual white scale 5
- 250mL through 4000mL capacity beakers have double graduated metric scale



COMPLIANCE:

Designed to meet ASTM™ E-960 requirements

Cat. No.	Capacity	Price
S14269	50mL	74.50/Pk
S14270	100mL	80.00/Pk
S14271	150mL	73.75/Pk
S14272	250mL	80.00/Pk
S14273	400mL	89.00/Pk
S14274	600mL	58.00/Pk

PYREX™ Heavy-Duty Griffin Beakers

Offers the best mechanical strength under harsh conditions, such as mechanized washing machines.

- Double graduated metric scale
- Extra large marking spot
- Borosilicate glass



Cat. No.	Capacity	Price
S63326	250mL	106.00/Pk
S63327	400mL	137.00/Pk
S63328	600mL	80.00/Pk
S63329	1000mL	154.00/Pk
S63330	2000mL	210.00/Pk
S63334	4000mL	103.00/Ea

PYREX™ Berzelius Tall-Form Beakers

A popular style for mixing in the lab.

- Taller than traditional Griffin style
- Made with uniform wall thickness with extra-large enamel marking spot
- Borosilicate glass
- With spout
- White enamel scale



Cat. No.	Capacity	Price
S63336	200mL	73.25/Pk
S63337	300mL	82.00/Pk
S63339	500mL	39.25/Pk

Eisco Tall-Form Borosilicate Glass Beakers



These tall form beakers are made by hand from high quality borosilicate 3.3 glass. They are extremely durable, have low temperature gradients, and superior chemical durability. All include a spout for easy pouring, easy to read graduations, and are autoclavable.

- White graduations for easy visibility
- Autoclavable at 121°C
- In compliance with DIN 12231 and ISO 3819 standards



Cat. No.	Capacity	Price
S23911	50mL	2.25/Ea
S23912	100mL	2.80/Ea
S40890	150mL	3.45/Ea
S23913	250mL	3.45/Ea
S23914	400mL	4.80/Ea
S27981	500mL	5.20/Ea
S88418	600mL	7.25/Ea
S88417	6 × 500mL	32.25/Pk
S88419	6 × 600mL	43.25/Pk
S88420	3000mL	23.00/Ea

Eisco ASTM Low-Form Glass Beakers



Made from high quality borosilicate 3.3 glass. Extremely durable, with a low temperature gradient, and superior chemical resistance. Features a spout for easy pouring and graduations as per ASTM-E960.

- White graduations for easy visibility
- Low temperature gradient - can withstand high temperatures and thermal shocks
- Autoclavable at 121°C
- In compliance with DIN 12231 and ISO 3819 standards

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Capacity	Quantity	Price
S40869	100mL	1	2.45/Ea
S40872	100mL	12	24.50/Ea
S40873	250mL	1	3.75/Pk
S40874	250mL	12	37.75/Pk
S40875	400mL	1	5.50/Pk
S40880	600mL	1	5.95/Ea
S40882	600mL	6	35.50/Ea
S40884	1000mL	1	10.75/Ea
S40886	1000mL	6	63.00/Ea

Plastic Beaker with Handle

Our handles make your handling of solutions easier and safer.

- Durable beakers feature a low form design for better stability
- Made of autoclavable polypropylene
- Graduated



Cat. No.	Capacity	Price
S30728	5000mL	58.75/Ea

Polymethylpentene Beakers

A safe alternative to glass in the classroom lab.



- Made of clear, shatterproof polymethylpentene
- Autoclavable; withstand temperatures up to 338°F (170°C) (limited exposure)
- Provides excellent chemical resistance
- Permanently molded mL gradations and no-drip pour spouts ensure precise measurement
- Beaker set consists of one each 50mL, 100mL, 250mL, 500mL and 1000mL

Cat. No.	Capacity	Price
S306943	250mL	70.25/Cs
S306945	1000mL	78.00/Pk

Fisher Science Education™ Polypropylene Beaker Set

Classroom set of polypropylene beakers.

Consists of one each:

- 50mL
- 100mL
- 250mL
- 500mL
- 1000mL



Cat. No.	Description	Price
S400563B	Polypropylene Beaker Set	20.50/Pk

Corning™ Reusable Polypropylene Low-Form Beakers

Translucent polypropylene beakers printed with blue graduations.

- Max. temperature: 20°C/68°F



Cat. No.	Capacity	Price
S02291	25mL	49.25/Cs
S02291D	250mL	41.50/Cs
S02291H	2000mL	158.00/Cs
S02291K	5000mL	160.00/Cs

Eisco TPX Beakers with Printed Graduations and Spout

Extremely durable, provide excellent optical clarity, and are easy to read thanks to the chemical resistant blue printed graduations. They also feature a spout for easy pouring and can withstand temperatures up to 180°C, making them autoclavable.



- Made from high quality TPX (PMP)
- Excellent optical clarity
- Autoclavable at 121°C

WARRANTY:
1 year limited manufacturer warranty

Cat. No.	Capacity	Price
S39790	50mL	3.00/Ea
S39791	100mL	4.40/Ea
S39792	250mL	6.85/Ea
S39794	1000mL	23.00/Ea
S39795	2000mL	37.50/Ea
S39796	5000mL	96.00/Ea

Polypropylene Disposable Beakers

Disposable or steam-autoclavable for reuse.

- Resistant to most acids, solvents and other common reagents
- Special “dripless” lip
- Rib construction permits stacking without binding
- Graduated markings in mL and oz.



Cat. No.	Capacity	Price
S63359	30mL	30.25/Pk
S63360	50mL	35.00/Pk
S63361	150mL	65.00/Pk
S63362	400mL	56.00/Pk

United Scientific™ Stackable Beakers

Highly flexible polypropylene beakers.

- Gentle squeeze creates a spout anywhere on the rim
- Stacking ribs prevent beakers from sticking together
- In packs of 25



Cat. No.	Capacity	Price
S04537	120mL	12.25/Pk
S04538	500mL	22.75/Pk

United Scientific™ Polypropylene Tri-Corner Beakers

Tri-corner design that provides three dripless pouring spouts.



- Material: polypropylene
- Flat bottom keeps stir bars centered
- Graduated cylinder with accuracy of $\pm 5\%$
- Withstand temperatures to 121°C (250°F)
- Autoclavable

Cat. No.	Capacity	Price
S01974B	50mL	24.50/Pk
S01974D	250mL	41.50/Pk
S01974E	400mL	58.00/Pk
S01974F	800mL	83.00/Pk
S01974G	1000mL	103.00/Pk

Fisher Science Education™ Polypropylene Beakers with Handles Set

Set of four beakers.



Consists of one each:

- 250mL
- 500mL
- 1000mL
- 2000mL

Cat. No.	Description	Price
S02653	Polypropylene Beaker Set	18.25/Ea

SP Scienceware™ Polypropylene Graduated Pitchers

Chemically resistant and shatterproof



- Metric graduations molded into outside wall
- Steam autoclavable at 121°C (250°F)
- Balanced handle for controlled pouring
- 5000mL (5L) model features an updated molded handle for a more secure grip, and a redesigned hand-slot at base for easy lifting

Cat. No.	Capacity	Price
S14338	500mL	9.30/Ea
S14339	1000mL	13.75/Ea
S14340	2000mL	20.00/Ea
S14341	3000mL	25.25/Ea
S14342	5000mL	74.75/Ea

Eisco Short-Form TPX Measuring Jugs



Short form TPX (PMP) measuring jugs feature blue printed graduations, spout and handle with thumb grip. Easy to read with amazing clarity.

- Single piece construction
- Superior optical clarity
- Good chemical resistance
- Autoclavable



WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Capacity	Price
S88824	100mL	3.50/Ea
S88825	250mL	5.80/Ea
S88826	600mL	9.10/Ea
S88827	1000mL	19.25/Ea
S88828	2000mL	18.50/Ea

Bench Protection

fisherbrand Absorbent Underpads

High-absorbency fibers soak up spills.



- Quickly absorb liquids and keep spills from spreading
- Lie flat, hugging the benchtop to prevent sliding
- Cushioned surface minimizes breakage of delicate labware
- Polyethylene backing is chemical resistant
- Spunbond top layer provides durability even when wet
- Absorb up to 750mL/m²

Cat. No.	Dimensions (L x W)	Price
S67011	24 x 20 in. (610 x 510mm)	79.00/Pk
S67012	36 x 20 in. (910 x 510mm)	67.50/Pk
S67013	100 ft. x 20 in. (30m x 510mm)	97.00/Ea

fisherbrand Absorbent Liners

Economical, highly absorbent bench liners protect surfaces from spills, allowing for safe and easy cleanup.

Made of highly absorbent three-ply tissue with a polypropylene backing.

- Economical
- Waterproof and resistant to most chemicals
- Absorb spills
- Retain liquids
- Soft and durable
- Cushion surfaces can be cut to size



ORDERING

INFORMATION:

S98128 comes in case of six; S98129 sold by single roll.

Cat. No.	Length (English)	Length (Metric)	Price
S98129	300 ft.	9144cm	161.00/Cs
S98128	50 ft.	1524cm	45.25/Ea

SP Scienceware™ LabMat™ Bench Liners

Simplify cleanup and safeguard work surfaces from stains, spills and wear. Can be rolled up and discard after contamination.



- Highly absorbent upper surface traps up to 420mL/m² of water, dyes, corrosive chemicals and radioactive solutions
- Flexible polyethylene film backing is nonskid and prevents soak-through of most solutions
- Cut to size easily with scissors or the Scienceware™ Safety Cutter (S04476)
- Select orange to identify use with biohazard materials

Cat. No.	Color	Dimensions (L x W)	Price
S41267	White	50 ft. x 20 in. (15.2m x 50.8cm)	78.00/Ea
S42929	White	24 x 20 in. (610 x 508mm)	278.00/Pk
S42930	Orange	50 ft. x 20 in. (15.2m x 508mm)	81.00/Ea

Bottles

SP Scienceware™ Right-to-Know, Safety-Vented Wash Bottles with GHS Labeling

Specially designed valve prevents pressure build-up, which eliminates potentially dangerous chemical drips; allows dispensing of wash bottle in upright or inverted position.

- Wide mouth 53mm (2 in.) for easy refilling
- Translucent LDPE bottles with color-coded caps for easy identification
- Pre-printed with chemical name and formula, GHS pictogram and signal word, National Fire Protection Association (NFPA) Section 704 Four-color Diamond, health hazards, Chemical Abstract System (CAS) number, and suggested protective clothing and equipment
- Bottles with labels that do not indicate a hazardous chemical do not have/require GHS pictogram or signal word
- Methyl, Ethyl, Ketone, and Toluene do not include vented valve
- Assortment is 4/Bag, includes one each: Acetone, Isopropanol, Bleach, and Ethanol
- Sodium Hypochlorite is white LDPE for light-protection between 230 and 450nm



Eisco Polyethylene Wash Bottle

Polyethylene Wash Bottle with delivery tube, screw cap, and tube cap.

- LDPE
- 125mL

Cat. No.	Description	Price
S14091	Polyethylene Wash Bottle	1.60/Ea



Wash Bottle

- Built-in nozzle
- One-piece construction
- 150mL

Cat. No.	Capacity	Price
S39015	150mL	1.70/Ea



United Scientific™ LDPE Unitary Wash Bottles

Built-in delivery tube for one-piece wash bottle.

- Made of translucent and low-density polyethylene
- Graduated on outer surface to reflect approximate volume of solution filled or dispensed
- Non-autoclavable



Cat. No.	Description	Price
S99407	125mL	33.00/Pk
S99408	250mL	44.25/Pk
S99409	500mL	52.75/Pk

COMPLIANCE:

Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and OSHA's HazCom 2012 requirements as pertains to "Workplace Labels"

Cat. No.	Chemical Label	Color	Capacity	Price
S05122	Acetone	Red	500mL (16 oz.)	54.75/Pk
S05124	Acetone	Red	1000mL (33.81 oz.)	39.75/Pk
S05123	Assorted	----	500mL (16 oz.)	55.75/Pk
S05129	Deionized Water	Blue	500mL (16 oz.)	55.75/Pk
S05120	Distilled Water	Blue	500mL (16 oz.)	55.75/Pk
S05126	Distilled Water	Blue	1000mL (33.81 oz.)	39.75/Pk
S05130	Ethanol	Natural	500mL (16 oz.)	55.75/Pk
S05127	Isopropanol	Yellow	500mL (16 oz.)	55.75/Pk
S05121	Isopropanol	Yellow	1000mL (33.81 oz.)	39.75/Pk
S05128	Methanol	Green	500mL (16 oz.)	55.75/Pk
S05125	Sodium Hypochlorite (Bleach)	Yellow	500mL (16 oz.)	55.75/Pk
S05119	Water	Blue	500mL (16 oz.)	55.75/Pk

fisherbrand Wash Bottle with Adjustable Sprayer

Handles hot or cold, aqueous or solvent-based solutions.

- Capacity: 33.8 oz. (1000mL)
- Double-headed design
- Polyethylene and stainless steel
- Side-fill opening
- Adjustable spray pattern
- Engraved Graduations
- Trigger allows one-handed, controlled delivery with light pressure
- Squat shape ensues small footprint and low center of gravity
- 1000mL bottle dip-tube has an easy-access filter to prevent clogging



Cat. No.	Description	Price
S31735	Wash Bottle with Sprayer	56.25/Ea



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fisheredu.com/chemicals
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fisherbrand Adjustable-Spray Mini-Wash Bottle

Comfortable and easy to use.

- Chemical-resistant
- Unbreakable
- High-density polyethylene bottle with polypropylene sprayer
- Capacity: 8.1 oz. (240mL)



Cat. No.	Description	Price
S413505P	Mini-Wash Spray Bottle	27.50/Pk

SP Scienceware™ Precisionware™ High-Density Polyethylene Wide-Mouth Bottles

Ideal for packaging and storing of liquids and solids.

- Rigid design with easy-to-fill wide mouth
- High-density polyethylene bottles with polypropylene screw closures
- Feature recycling code molded into base, except S95194



ORDERING INFORMATION:

Pack of 12, except S95187, which comes in packs of 6

Cat. No.	Capacity	Diameter (Metric)	Closure Size	Price
S95194	125mL	48.2mm	38mm	38.00/Cs
S95195	250mL	58.4mm	45mm	49.50/Cs
S95196	500mL	72mm	53mm	69.50/Cs
S95187	1000mL	90mm	53mm	66.25/Cs

Large HDPE Wide-Mouth Bottles

Available in two useful sizes.

- Large, HDPE utility jars have hundreds of uses around the lab



Cat. No.	Capacity	Closure Material	Neck Finish	Price
S31944B	1 gal. (4000mL)	Metal	110	12.25/Ea
S31944A	0.5 gal. (2000mL)	Polypropylene	120	7.85/Ea

SP Scienceware™ LDPE Indicator Bottles

Double-duty bottles offer two ways to assist in staining slides

- Can be used as squirt bottles with the supplied tube and as dropper bottles when the tube is removed
- Low density polyethylene (LDPE) construction
- Excellent for use with indicator solutions or dyes
- Non-autoclavable



Cat. No.	Capacity	Price
S31708	60mL	45.25/Pk
S31707	30mL	40.00/Pk

Polyethylene Dropping Bottle

Easy to fill bottle — removable closure.

- Narrow-mouth, low-density polyethylene bottle with LDPE dropping pipet
- Bellows-type dropping pipet is fixed to closure
- 30mL



Cat. No.	Description	Price
S31710	Dropping Bottle	51.00/Pk

Long Spout Graduated Dropping Bottle

Low-density round polyethylene bottles with closure and spout.

- 50mL
- Graduated
- Can be secured using shoulder and cap tag to avoid sample contamination in transit
- Supplied with LDPE screw cap for tip closure
- An ideal bottle for water and oils as there are no shoulders to restrict the flow



COMPLIANCE: Conforms to DIN 13316 and 168.

Cat. No.	Description	Price
S01985	Long Spout Graduated Dropping Bottles	51.25/Pk

Amber Glass Dropping Bottles

For storage of light-sensitive chemicals.

- Polypropylene screw cap with rubber bulb
- Glass dropper inside
- Choose from 30 or 60mL capacity

ORDERING INFORMATION:
Shipped in packs of 12.



Cat. No.	Capacity	Price
S31684	60mL	82.00/Pk
S31683	30mL	56.00/Pk

Eisco Clear Glass Dropping Bottles

Can be used to store and dispense liquids.

- Made of soda glass
- With screw cap and fitted with dropper



Cat. No.	Capacity	Price
S28016	30mL	1.45/Ea
S28017	60mL	1.90/Ea
S28018	100mL	2.05/Ea

Eisco Amber Reagent Bottles

- Narrow mouth
- With acid-proof polypropylene stopper
- 14/23 socket



Cat. No.	Capacity	Price
S27973	30mL	5.60/Ea
S27974	60mL	6.65/Ea

Eisco Amber Glass Dropping Bottles

These amber glass dropping bottles are made from soda glass and include a threaded screw cap fitted with a rubber dropper. Ideal for storing light sensitive liquid solutions.

- Made of amber colored soda glass
- Includes threaded black screw cap fitted with rubber dropper
- Ideal for use with light-sensitive chemicals



Cat. No.	Capacity	Price
S28019	30mL	1.75/Ea
S28020	60mL	2.05/Ea
S28021	100mL	2.15/Ea

Eisco Tall-Form Weighing Bottle with Stopper

Premium borosilicate glass weighing bottle.

- Tall form
- 15mL capacity
- 25 × 50mm
- With interchangeable ground glass stopper



Cat. No.	Description	Price
S13957	Tall Form Weighing Bottle with Stopper	8.00/Ea

Eisco BOD Borosilicate Glass Bottle with Stopper

• 125mL



Cat. No.	Description	Price
S27991	B.O.D. Borosilicate Glass Bottle with Stopper	7.55/Ea

PYREX™ Reusable Media Storage Bottles

Ideal for media, buffers, aqueous and nonaqueous solutions

- Orange autoclavable polypropylene plug-seal caps
- Drip-free clear polypropylene pouring rings
- Withstand temperatures up to 140°C (284°F), included on sizes 50mL through 10L



ORDERING INFORMATION:

Optional red melamine caps and PTFE rings are available for applications requiring temperatures to 180°C (356°F).

⚠ ALERTS:
Bottles larger than 2L should not have caps tightened immediately after autoclaving, nor should they be used with bottle-top filter units or other applications involving vacuum pressure, as breakage may occur.

Cat. No.	Capacity	Graduations	Price
S14255	100mL	40 to 80mL	127.00/Cs
S14256	250mL	50 to 200mL	140.00/Cs
S14257	500mL	100 to 400mL	165.00/Cs
S14258	1000mL	100 to 900mL	202.00/Cs
S14259	2000mL	400 to 1800mL	62.75/Ea
S14260	5000mL	500 to 4500mL	187.00/Cs

United Scientific™ Media Storage Bottles

General purpose media bottles.

- Type 1, GL-45 borosilicate glass is autoclavable
- Permanent white imprinted graduations and marking spots
- Screw thread opening has I.D. of approximately 1.18 in. (30mm)
- Supplied cap is liner-less
- Cap and drip-free ring are polypropylene; autoclavable to 140°C (284°F)



Cat. No.	Capacity	Graduations	Height (English)	Price
S99415	3.38 oz., 100mL	20 to 80mL	3.93 in.	98.00/Cs
S99417	16.9 oz., 500mL	100 to 400mL	6.88 in.	118.00/Cs
S99418	32 oz., 1000mL	100 to 900mL	8.85 in.	173.00/Cs
S99419	67.62 oz., 2000mL	40 to 1800mL	10.31 in.	155.00/Cs

fisherbrand Reusable Glass Media Bottles with Cap

Convenient wide opening

Ideal for general use.

- Enhanced graduations
- Permanent white enamel marking spot
- GL-45 screw thread
- Clear (natural), drip-free, replaceable polypropylene pour ring Linerless
- Autoclavable (to 140°C)
- Borosilicate glass
- Polypropylene cap



Cat. No.	Capacity	Capacity (English)	Price
S35831	250mL	8.45 oz.	101.00/Cs
S35833	100mL	3.3 oz.	90.00/Cs

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Sample Bottles with Plastic Snap Cap

Transparent soda-lime glass bottles for collecting, exhibiting, and transporting a wide variety of dry materials and specimens.



- For lab or field use
- Polyethylene cap snaps over special sealing ring to form an effective moisture barrier
- Ideal for hygroscopic materials

Cat. No.	Capacity	Closure Size	Height (English)	Price
S31757	0.4 oz., 12mL	22	2 in.	214.00/Cs

United Scientific™ Bottle Top Dispensers

Complete with five additional adapters (28mm, 32mm, 36mm, 40mm and 45mm) for use right out of the box.

- Feature a 30mm thread
- Highly accurate
- All wetted parts are made from PTFE and borosilicate glass for maximum chemical resistance
- Autoclavable



Cat. No.	Accuracy	Volume Range	Increments	Precision	Price
S04616	±0.6%	0.25 to 2.5mL	0.05mL	±0.2%	321.00/Ea
S04552	±0.5%	0.5 to 5mL	0.1mL	±0.1%	321.00/Ea
S04553	±0.5%	1 to 10mL	0.2mL	±0.1%	321.00/Ea
S04554	±0.5%	2.5 to 30mL	0.5mL	±0.1%	450.00/Ea
S04555	±0.5%	5 to 60mL	1mL	±0.1%	450.00/Ea

Brushes

Camel Hair Brush with Long Handle

Useful for dusting balances.



- Slightly pointed tip 0.75 in. (1.9cm) max. diameter, 1 in. (2.5cm) long
- Full body tapers toward handle
- Overall length: 9 in. (22.8cm)

Cat. No.	Description	Price
S30423	Camel Hair Brush, Long Handle	8.20/Ea

Eisco Beaker Brushes

With 15.75 in. (40cm) wooden handle.



- Choice of bristle or nylon
- Dimensions: 2.6 × 1.8 × 5.9 in. (65 × 45 × 150mm)

Cat. No.	Description	Price
S95942	Nylon	15.75/Ea
S95943	Bristle	14.25/Ea

Eisco Nylon Flask Brush

Comprised of durable nylon bristles and a stainless steel wire handle.

- Curved design for thorough cleaning of round bottom glassware
- 35cm length

WARRANTY:
1 year limited manufacturer warranty

Cat. No.	Description	Price
S29383	Nylon Flask Brush	1.85/Ea



Eisco Nylon Labware Brushes



Eisco™ Nylon Labware Brushes designed for cleaning a variety of labware feature nylon bristles and stainless steel handle to ensure durability.



- Fan shaped nylon bristle brush

WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Size	Price
S29384	31cm	5.10/Ea
S29385	33cm	4.10/Ea
S29386	46cm	5.50/Ea

Flexible Brushes

Soft, single row of bristles fit easily into flask necks.



- Plastic handle bends to allow bristles to fit into container
- Handle has hanging ring

Cat. No.	Length (English)	Length (Metric)	For Use With (Equipment)	Price
S30410A	11.8 in.	30cm	250mL flasks	6.35/Ea
S30410B	14.17 in.	36cm	500mL flasks	6.55/Ea
S30410C	16.9 in.	43cm	1000mL flasks	8.00/Ea

United Scientific™ Test Tube Brush

Straight brush top.

- Good quality nylon bristles
- Mounted in twisted heavy gauge galvanized wire

ORDERING INFORMATION:

Overall Length: 9 in. (22.9cm);
Brush (L x Dia.): 3 x 1 in.
(7.6 x 2.5cm)



Cat. No.	Description	Price
S30420A	Test Tube Brush	18.50/Pk

United Scientific™ Test Tube Brushes, Nylon Bristles

For effective cleaning of test tubes in laboratories. United Scientific Supplies Test Tube Brush's nylon bristles are mounted in twisted heavy gauge galvanized wire.



- Feature radial top
- Available in different sizes
- Comes in packs of 12

Cat. No.	Length (English)	Length (English) Bristle	Length (English) Brush	Price
S13068	8 in.	0.5 in.	3 in.	12.75/Pk
S13070	11 in.	1 to 1.5 in.	4 in.	18.25/Pk

Nessler Tube Brushes

For low-form Nessler tubes.



- Radial, double-fan tip
- Full bristles make complete contact with walls and bottom of cylinder
- Galvanized wire handle

Cat. No.	Color	Length (English)	Length (Metric)	Price
S30435A	Natural Black	12 in.	30.5cm	2.45/Ea
S30435B	Black	20 in.	50.8cm	6.40/Ea

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Burets

Eisco Acrylic Buret

Transparent acrylic body and leakproof PTFE plunger stopcock.

- Acrylic body is unaffected by dilute minerals, acids and bases except hydrofluoric acid and ammonium hydroxide
- Capacity: 50mL
- Subdivisions: 0.10mL
- Tolerance: $\pm 0.10\text{mL}$



Cat. No.	Description	Price
S95180A	Acrylic Buret	19.50/Ea

Eisco Class A Glass Burettes with Glass Key Stopcock

Eisco™ Class A Glass Burettes with Glass Key Stopcock designed with blue graduations and a straight single bore.

- Made from high quality 3.3 borosilicate glass
- Blue ceramic graduations
- Straight single bore
- Includes smooth glass key stopcock
- Glass key stopcock requires lubrication but offers the smoothest, most authentic control

**WARRANTY:**

1 year limited manufacturer warranty

Cat. No.	Capacity	Price
S29394	25mL	14.50/Ea
S29395	50mL	18.75/Ea

Eisco Graduated Burettes

With graduations in blue.

- With straight bore interchangeable PTFE key stopcock
- Class A
- Capacity: 100mL



Cat. No.	Description	Price
S13964	Graduated Burettes	21.50/Ea

Eisco Straight-Bore Burettes with Blue Graduations

These high quality borosilicate burettes are straight bore with interchangeable PTFE key stopcocks.



Cat. No.	Description	Price
<i>Class A</i>		
S15482	25mL	17.75/Ea
<i>Class B</i>		
S15484	50mL	21.50/Ea
S15485	100mL	23.25/Ea

Eisco Borosilicate Burette

- Straight bore
- PTFE stopcock
- Class A
- 500mL
- Accuracy is per ISO 385, DIN 12709.
- 0.10mL graduations



Cat. No.	Description	Price
S27992	500mL burette	14.75/Ea

United Scientific™ Burettes, Class B, with Straight Bore Glass Stopcock

For general laboratory use. United Scientific Burettes, Class B, with Straight Bore Glass Stopcocks are made from better quality bore tubing to provide a high degree of accuracy, reliability, and durability.

- Feature straight bore glass stopcock
- Graduations are in resilient white enamel
- Accuracy as per class "B"



Cat. No.	Capacity	Tolerance	Graduations	Price
S13073	50mL	0.10mL	0.10mL	26.50/Ea
S13072	25mL	0.06mL	0.10mL	20.50/Ea

Glass Burette with PTFE Stopcock

Avoid hassles by choosing a burette with a stopcock that won't freeze.

- The PTFE stopcock is almost freeze proof and does not require grease
- Subdivided by 0.1mL
- Made from borosilicate glass

DISCLAIMERS:

Not a toy. Product intended for ages 13 and up.



Cat. No.	Capacity	Price
S04822	25mL	96.00/Cs
S04822A	50mL	25.25/Ea
S04882B	100mL	147.00/Cs

Class B Burets with Stopcock and Dust Cap

Feature a 0.07 in. (2mm) PTFE straight bore stopcock plug.

- Scale is durable black ceramic enamel
- Designed from ASTM Specification E287, Class B requirements

INCLUDES:

Protective dust cap



Cat. No.	Capacity	Price
S32277	50mL	167.00/Cs
S32276	25mL	171.00/Ea

ValueWare™ Buret

Designed for use in educational institutions and for many general laboratory procedures.

- Black scale
- Straight PTFE stopcock
- Capacity: 50mL
- 0.1mL graduations
- Length: 73mm



Cat. No.	Description	Price
S01517	ValueWare Buret	64.75/Ea

Eisco Class A Glass Schellbach Burette with PTFE Stopcock

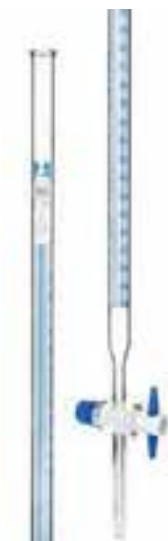


Eisco™ Class A Glass Schellbach Burette with PTFE Stopcock has a white backing and blue graduations to allow for easy reading and the highest accuracy in measuring clear liquids.

- Made from high quality 3.3 borosilicate glass
- Class A, accurate to DIN 835, ASTM E287 Standards
- Straight single bore
- Includes PTFE key stopcock

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Capacity	Price
S29409	25mL	24.00/Ea
S29410	50mL	28.00/Ea
S29411	100mL	31.50/Ea

Eisco Class A Glass Burettes with PTFE Rota Flow Stopcock



- Made from high quality 3.3 borosilicate glass
- Blue ceramic graduations
- Straight single bore
- Includes PTFE Rota flow stopcock
- Needle valve stopcock

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Capacity	Price
S29400	10mL	11.00/Ea
S29401	25mL	12.50/Ea
S29402	50mL	14.75/Ea
S29403	100mL	11.50/Ea

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Burners

Meker-Type Burner

Provides an extremely hot flame.

High temperature, Meker burners provide an extremely hot and consistent blue flame with no cool spots.

- Uses natural gas
- Specifically designed to prevent back-flashing — an important safety feature
- One-piece nickel-plated Venturi tube and an octagonal base of heavy, die-cast nickel-plated zinc alloy
- Base measures 3.5 in. (8.75cm) in diameter
- Height: 8.5 in. (21.6cm)
- Capable of heat output in excess of 12,000 BTU per hour
- Wing top is not available for this burner
- Tubing size: 0.37 in. (9.5mm)

**INCLUDES:**

One-piece, nickel-plated venturi tube, die-cast, zinc alloy, nickel-plated octagonal base

Cat. No.	Description	Price
S49123	Meker-Type Burner	84.00/Ea

Alcohol Burner with Dual Wicks

A great addition to any lab in which a small burner is needed.



Made of durable metal to prevent breakage. The Alcohol Burner with Dual Wicks is an all metal, permanent wick alcohol burner with a 100mL capacity tank. The wick portion is a ceramic fiber inserted into a thin copper tube. This construction allows for constant flame. The burner is fueled by high quality alcohol which can be found in most local hardware stores.

- Holds 100mL of alcohol
- Constant flame construction
- Ceramic fiber wick

Cat. No.	Description	Price
S13728	Alcohol Burner with Dual Wicks	14.25/Ea

Butane-Powered Micro Burner

Provide safe, portable flame applications in a variety of settings.

Self-contained and require no wicks to replace or gas lines to install.

- Automatically ignite
- Tip-resistant wide base
- Refillable
- Reach temperature of up to 1315.6°C (2400°F)

Work continuously for one hour on maximum setting



Cat. No.	Description	Price
S04140	Micro Burner	56.50/Ea

Butane Fuel

- For use with butane micro burner (Cat. No. S65148)
- 3.38 oz. (100mL) can



Cat. No.	Description	Price
S64968	Butane Fuel	7.30/Ea

Butane Micro Burner

A safe alternative to alcohol burners.

This small butane burner uses clean burning butane and features a trigger ignition, eliminating the need for wicks, matches or a central gas line.

- Stable, tip-resistant design and easy-grip handle make the burner safe and portable
- Flame height is fully adjustable
- Maximum temperature of approximately 1300°C (2372°F)
- Two-hour fuel capacity
- Compatible with standard butane cartridges

**Optional Accessories (Not Included):**

- Locking Tripod Stand (S65024)
- Butane Refill (S64968)

Cat. No.	Description	Price
S65148	Butane Micro Burner	73.50/Ea

Eisco Bunsen Burners

Prevent easy tipping, even with hoses connected.

- Spaced feet so burner fits comfortably under stands
- Carry hot burner with ease and safety using finger handle

Basic

- Without flame stabilizer or throttle control, but has air flow adjustment sleeve
- 15.2cm (6 in.) tall

With Flame Stabilizer

- Controls air to fuel ratio via air flow adjustment sleeve. However, it does have flame stabilizer which makes it safer in laboratory setting
- 16.5cm (6.5 in.) tall

With Flame Stabilizer and Gas Adjustment

- Allows both air to fuel ratio adjustments and throttle control via gas adjustment needle valve.
- 16.5cm (6 in.) tall

Meker

- Designed to produce an extremely hot and stable flame.
- Based on the principle that the hottest point of a flame is the outer tip of the inner flame
- Features grid that separates flame into an array of much smaller flames, creating many more “outer tips” or zones of highest temperature
- This allows for average temperature of flame to rise from 935° to 1180°C

Tirrill

- Features wing nut on bottom of tube for gas adjustment and tube screws for fine adjustment of air to fuel ratio.

Tirrill with Gas Control

- Maximum temperature of flame can reach 1550°C
- Allows adjustment of both the air supply and the gas supply
- Adjustable air ports regulate the air supply and brass needle valve regulates the gas supply
- Accepts burner tubing of 9mm inside diameter

Heavy Duty

- Heavy cast metal base for stability
- Nickel plated brass burner tube (120mm tall, 12.5mm diameter) with adjustable air regulator
- Cylindrical rifled connector



Accessory

- Features neoprene tubing
- Connects burners to gas source
- 60cm (23.6 in.) long

Cat. No.	Description	Price
<i>Basic</i>		
S12805	Natural Gas Burner	18.75/Ea
S12806	Liquid Propane Burner	19.00/Ea
<i>With Flame Stabilizer</i>		
S12807	Natural Gas Burner	18.00/Ea
S12808	Liquid Propane Burner	18.00/Ea
<i>With Flame Stabilizer and Gas Adjustment</i>		
S12809	Natural Gas Burner with Gas Adjustment	26.25/Ea
S12810	Liquid Propane Burner with Gas Adjustment	26.25/Ea
<i>Meker</i>		
S12815	Natural Gas Burner	74.00/Ea
S12816	Liquid Propane Burner	74.00/Ea
<i>Tirrill</i>		
S12813	Natural Gas Burner	31.75/Ea
S12814	Liquid Propane Burner	31.75/Ea
<i>Tirrill with Gas Control</i>		
S13938	Natural Gas Burner	32.50/Ea
<i>Heavy Duty</i>		
S88379	Liquid Propane or Butane	23.25/Ea
<i>Accessory</i>		
S12817	Connecting Hose	19.25/Ea

Straight-Tube Bunsen Burner

Noiseless burners allow separate control of both flame temperature and flame height.

- Threaded-aluminum air-control sleeve
- Accurately machined, fine-pitch brass needle valve with internal stuffing box and self-sealing packing
- Quick adjustment provides a clear flame of any height between 0.5 to 12 in. (1.3 to 30.5cm)
- Completely rustproof
- Octagon-shaped, nickel-plated, die-cast base, 3.5 in. (8.9cm)
- Tapered and serrated gas inlet, 0.39 in. (1cm)
- Aluminum mixing tube
- Burners will produce in excess of 5000 BTU per hour at full valve opening
- Gas inlet/tubing size: 0.31 in. (11mm)
- Gas Type: LPG (Liquid Petroleum Gas)
- Heat Value: 2000 to 3200 cu. ft.
- Height (English): 6 in.



Cat. No.	Description	Price
S49108	Straight-Tube Bunsen Burner	35.75/Ea

Self-Contained LPG Burner

Handy where natural gas is not available.

- Butane burner produces a clean 0.5 × 3.5 in. (1.3 × 8.9cm) flame at 3000°F
- Flame temperature and size can be changed by adjusting the air regulator ring
- Fits under a 9 in. (22.9cm) tripod
- Provides up to 5 hours, 30 minutes of continuous use
- Size: 0.341 lb. (155g) of butane fuel
- Height: 8.75 in. (22.9cm)
- Convert burner from Bunsen to fishtail to Meker-type flame using wing-type spreader (S41874) and Meker adapter (S41876)



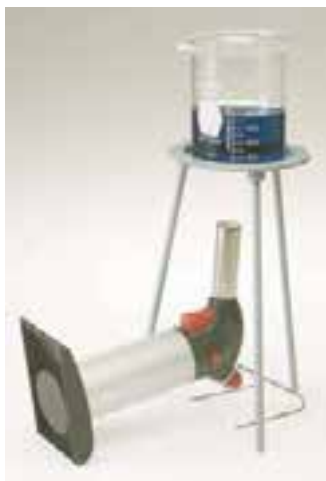
Cat. No.	Description	Price
S41872	Butane Burner	56.25/Ea
S41873	Fuel Canister	16.50/Ea
S41876	Meker Adapter	46.50/Ea

MAX-850 Portable Bunsen Burner

Built-in fuel chamber can be refilled with standard butane canister.

Single-trigger-activated electronic auto ignition.

- Will not flare in any position, so it can also be used as a portable burner
- Adjustable flame size — control flame with ON/OFF safety switch or set for a continuous flame
- Full temperature control — produces temperatures well over 1371°C (2500°F)
- One filling provides over one hour of burning time
- Durable metal body construction
- Dimensions: 5.5 × 3.5 × 8 in. (14 × 8.9 × 20.3cm)



INCLUDES:

Stand

Cat. No.	Description	Price
S90304	Portable Bunsen Burner	70.75/Ea

Butane Fuel

Can be used with most refillable butane products.

- Universal filling tip
- Double scrubbed
- Triple filtered for trouble-free use in all butane tools
- Hang tab
- Capacity: 192mL (6.5 oz.)



Cat. No.	Description	Price
S04147	Butane Fuel	10.00/Ea

United Scientific™ Wire Gauzes with Ceramic Center

Used for general heating purposes in laboratories.

- Iron wire gauze (24 SWG/10 Mesh) with folded edges
- Contains no asbestos
- Sold as packs of 10
- 12.7 × 12.7cm (5 × 5 in.)



Cat. No.	Description	Price
S12866	Wire Gauzes with Ceramic Center	9.90/Pk

United Scientific™ Clay Pipe Triangles

Mounted on heavy gauge twisted galvanized steel wire.



- General laboratory supplies
- Individually packed in poly bags, and chip board boxes

Cat. No.	Length (English)	Price
S12863	1.5 in.	1.00/Ea
S12864	2 in.	1.35/Ea

Heat Insulated Ceramic Pads

Keep your surfaces safe from hot items. The GSC International Heat Insulated Ceramic Pads are made from flexible alumina and silica oxides.



- Keep your surfaces safe with a product that has low thermal conductivity
- Made from flexible alumina and silica oxides with small amounts of organic binder
- Useful for protecting surfaces while working with hot items like crucibles or flasks

Cat. No.	Description	Price
S04816	4 × 4 in.	108.00/Pk
S04816A	5 × 5 in.	133.00/Pk
S04816B	6 × 6 in.	177.00/Pk
S04816C	8 × 8 in.	159.00/Pk
S04816D	10 × 10 in.	264.00/Pk
S04816E	12 × 12 in.	289.00/Pk

United Scientific™ Tripod Stands

Available with or without concentric rings.



- Cast-iron ring with black enamel finish
- Detachable zinc-plated legs are interchangeable
- Stands can be ordered in any combination of ring O.D. and height

Cat. No.	Diameter (English) Rod	Height (English)	Price
S99436	6 in.	9 in.	11.75/Ea
S99432	3.5 in.	6 in.	6.90/Ea

Eisco Convertible Alcohol Burner Stand



Convertible Alcohol Burner Stand can be set up in either direction depending on burner style.

- Flexible solution for various burner styles
- Made of chrome plated steel wire
- Overall height is 125mm.



WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S41703	Convertible Alcohol Burner Stand	2.60/Ea

Cloth-Covered Burner Tubing

Standardize each connection in your lab for the safest burner connections.



- Cloth-covered, flexible rubber tubing
- Each length has heavy rubber connections on each end that firmly attach to fitting

Cat. No.	Overall Length (English)	Price
S49140	2 ft.	23.50/Ea
S491411	3 ft.	32.25/Ea
S49156	4 ft.	35.75/Ea

Refillable Multipurpose Butane Lighter

With one pull of the trigger, the piezoelectric ignition of this butane gas lighter will give you a reliable flame every time.

- Stainless-steel safety extension and adjustable flame control keeps hands a safe distance from the flame
- Child-resistant lock system for added safety
- Visible fuel level window allows you to see when fluid must be refilled
- Refillable with standard butane lighter refills



Cat. No.	Description	Price
S65023	Refillable Multipurpose Butane Lighter	474.00/Cs

United Scientific™ Gas Lighter

Hooded lighter is safe and economical.



- Hood traps gas and protects lighting file
- Replacement flints come in packs of five.

Cat. No.	Description	Price
S99453	Gas Lighter	4.20/Ea
S99442	Replacement Flints for Gas Lighters	3.50/Cs

Burner Brakes

Know that your gas jets are off with Burner Brake! Ensure lab safety by preventing gas leaks with this intuitive, autoclavable device.



Burner Brake only fits on a gas fixture when the jets are off. When every gas fixture in a lab has Burner Brake on, that makes it easy to know if all the jets in a lab are in the off position before turning on a gas main to the lab; this simple check prevents classroom gas leaks. To turn on individual gas jets, simply remove Burner Brake. The device is intuitive for students and teachers, requires no installation, is durable, autoclavable and dishwasher-safe. For labs using Bunsen burners frequently, no fastener is needed. For labs with only occasional Bunsen burner use, a fastener is recommended to keep Burner Brake in place for extended periods. Burner Brake prevents students from fidgeting with gas jets during class.

Cat. No.	Description	Quantity	Price
Counter Mount			
S39046	2 Jets at 90°	1	22.75/Ea
S39047	2 Jets at 90°	12	247.00/Dz
S39048	2 Jets at 90° with Fastener	1	26.75/Ea
S39049	2 Jets at 90° with Fastener	12	294.00/Dz
Wall Mount			
S39050	2 Jets at 90°	1	25.50/Ea
S39051	2 Jets at 90°	12	279.00/Dz
S39052	2 Jets at 90° with Fastener	1	30.00/Ea
S39053	2 Jets at 90° with Fastener	12	320.00/Dz

Carboys

SP Scienceware™ Dispensing Jug

Dispense directly from 5 gallon graduated jug without lifting or moving.

Stores and dispenses common solutions, including janitorial cleaners, deionized/distilled water or other aqueous liquids.



- Gasketed and threaded LDPE spigot extends 125mm from jug
- 35mm long stem for dispensing
- Top opening: 70mm I.D. for fast re-filling
- Built-in 44mm high handle provides for easy transport
- Made from strong and lightweight HDPE
- Dimensions: 25cm (9.88 in.) sq. x 38cm (15 in.) high; shipping weight 1.7kg (3.7 lb.)
- Capacity: 18.9L (5 gal.)

Cat. No.	Description	Price
S31765	Dispensing Jug	57.00/Ea

United Scientific™ Polypropylene Carboys with Stopcock

Ideal for storing and dispensing various laboratory solutions.



- Features preassembled leak-proof stopcock
- Autoclavable. (Threads should be totally disengaged before autoclaving; Stopcock and lid are not autoclavable)
- Available in 10L and 20L capacities

Cat. No.	Capacity	Price
S13108	20L	86.00/Ea
S13107	10L	58.50/Ea

Carboys

Range of high-performance large bottles and carboys.



- Autoclavable polypropylene™, heavy-duty construction
- Stylish rounded octagonal shape for increased rigidity when full
- Offset neck for easier filling and pouring
- Integral, comfortable blow molded handles for ease of carrying, are end-sealed to prevent contamination
- Heavy-duty closures
- Carboys feature a durable and leakproof heavy-duty spigot with boss fitting for extra strength
- Spigot features removable tube fitting for added convenience
- Molded graduations allow easy viewing of contents



Cat. No.	Capacity	Price
Carboys with Spigot		
S01989	5L	81.00/Ea
S01989B	20L	134.00/Ea
Large Bottles (No Spigot)		
S01989C	5L	50.00/Ea
S01989D	10L	82.00/Ea



YOUR STEM PROGRAM:
MAKE IT AMAZING!

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Carts

fisherbrand Laboratory Carts

Transport a variety of lab supplies, equipment and containers. Fisherbrand Laboratory Carts come fully-assembled from the factory and have a five-year warranty.



- Durable blue, powder-coated 18-gauge welded tubular steel frame
- Pans are polished type 304 Stainless Steel
- Powder-coated steel watertight pans are 5cm (2 in.) deep, removable and lined with gray rubber mats to prevent shifting
- Lower shelf also has guard rails on both ends
- Includes 2, 4 vinyl-coated wire baskets and 1 removable plastic drip pan to catch spills
- 4 in. diameter casters, 2 with toe locks
- Has ID tags
- Supports loads up to 181kg (400 lb.)
- Ready-to-roll, full factory assembly
- Ergonomic, extruded rubber handle grips

Cat. No.	Includes	Description	Price
S14240	Two removable polished type 304 stainless steel pans that are 2 in. deep on three sides with one open side	Laboratory Cart	717.00/Ea
S14241	2 vinyl-coated wire baskets (18L x 32W x 4 in. H) Four - 4 in. diameter casters, two with toe locks Removable Plastic Drip Pan	Glassware Cart	717.00/Ea
S14242	4 vinyl-coated wire baskets (18L x 16W x 4 in. H) Four - 4 in. diameter casters, two with toe locks Removable Plastic Drip Pan	Glassware Cart	717.00/Ea

Utility Carts



- User-friendly easy-to-grip handles
- Easy to clean smooth surfaces
- Nonmarking swivel casters

Cat. No.	Description	Price
S94861	Enclosed End Panels, 150 lb, Black	410.00/Ea
S94862	Three Shelf, 200 lb, Platinum	492.00/Ea

Heavy-Duty Utility Cart

Handles large loads with ease

- Load capacity: 500 lb. (227kg)
- Sturdy, structural foam construction won't rust, dent, chip or peel
- Rounded corners protect walls and furniture
- Lightweight and maneuverable
- Nonmarking 5 in. dia. casters (two fixed, two swivel)
- Two sizes available
- Two shelves
- Beige



ORDERING INFORMATION:

Small cart L x W x H:

39 x 17.88 x 33.25 in. (99 x 45.4 x 84.5cm).

Large cart L x W x H: 45.25 x 25.88 x 33.25 in.

(115 x 65.7 x 84.5cm).

Optional middle shelf available for both sizes.

Cat. No.	Description	Price
S68055	Small	359.00/Ea
S68057	Medium	408.00/Ea

Diversified Woodcrafts™ Heavy Duty Book Truck

Supports heavy volumes of books.



- Durable trucks combine distinctive wood grain of select oak
- Fixed shelves are glued then reinforced with screws to support heavy volumes
- Locking swivel casters (5 in.)
- 14D x 40.5W x 45 in.H
- Color: Northwood oak

WARRANTY: Limited Lifetime Warranty

COMPLIANCE: SEFA

CERTIFICATIONS: MAS Certified Green

Cat. No.	Description	Price
S38098	Heavy Duty Book Truck	778.00/Ea

Clamps and Supports

Eisco Lab Essentials Kit

Required for use in chemistry lab experiments.



Versatile apparatus for routine lab experiments

Kit Components (one each of all items below):

- Base (20 x 12.5cm)
- 600mm Rod
- Beaker tong
- Crucible tong
- Tripod stand
- Wire gauge
- Boss head
- Clamp
- Retort ring with boss head
- Burette clamp double
- Test tube holder
- Test tube stand (z-shape)
- Test tube brush - spatula

Cat. No.	Description	Price
S02632	Lab Essentials Kit	71.00/Ea

Eisco Premium Boss Head Clamps

Ideal for connecting 15mm-16mm diameter rods and apparatus in tight places without sacrificing strength.

- Threaded metal one piece clamping screws
- All metal constructions to carry heavy loads and prevent torque damage
- Made of high strength powder coated alloy

Metal Boss

- Able to hold rods up to 15mm in diameter.
- Holds rods orthogonal (90° degrees) to one another



Square Head

- Able to hold rods up to 15mm in diameter.
- Holds rods orthogonal (90° degrees) to one another



Universal Swivel

- Able to hold rods up to 16mm in diameter.
- Dual 360° rotation
- All metal constructions to carry heavy loads and prevent torque damage



Cat. No.	Description	Price
S13920	Premium Metal Boss Head Clamp	7.65/Ea
S13923	Premium Square Head Boss Head Clamp	8.20/Ea
S13922	Premium Universal Swivel Boss Head Clamp	9.40/Ea

Eisco Boss Head

Blue plastic headed screws.



- For use with laboratory stand
- Diecasted alloy
- Accepts rods upto 16.5mm diameter at right angle to each other

Cat. No.	Description	Price
S99387	Boss Head	5.00/Ea

Single Burette Clamp

A clamp specifically designed to use with burettes.



- Cast aluminum clamp
- Nickel-plated steel thumb screw
- Jaw range of 3/8 in. to 1 1/8 in.

Cat. No.	Description	Price
S13743	Coated Jaw	5.85/Ea
S13742	Uncoated Jaw	5.75/Ea

Eisco Die-pressed Burette Clamp

With built-in boss head.

- Holds two burettes
- Sheet metal



Cat. No.	Description	Price
S23639	Die-Pressed Burette Clamp	8.75/Ea

Eisco Double Burette Clamp

Suited to hold two burettes up to 100mL.

- Metal construction for high strength
- With jaws and rubber projected tips



Cat. No.	Description	Price
S07858	Double Burette Clamp	14.25/Ea

SP Scienceware™ Polypropylene Buret Clamps

Noncorrosive clamp provides a steady grip without obscuring graduations.

- Burets are easily inserted
- Concealed steel spring and rubber pads prevent slipping
- Center clamp tightens to a standard support rod
- Autoclavable

INCLUDES:
12.5 and 9.5mm bushings



Cat. No.	Description	Price
S49141	Single Burette Clamp	20.75/Ea
S49142	Double Burette Clamp	30.25/Ea

United Scientific™ Clamp Holder

For rods up to 19mm in diameter.



- Made of cast aluminum body with steel thumb screws

Cat. No.	Description	Price
S13071	Clamp Holder	4.50/Ea

Eisco Multipurpose Clamp Holder

Accommodates square and circular section rods and tubing up to 16mm across.

- Square section aluminium alloy with plastic clamping screw
- Two rectangular slots hold rods and tubing
- Also allows rods to be attached to table edges and boards up to 16mm thick



Cat. No.	Description	Price
S02625	Multipurpose Clamp Holder	9.00/Ea

United Scientific™ Hook Collar Clamps

For suspending pulleys, balances, etc. from support rods or cross members.



- Plated steel collar clamps
- Thumbscrews and hooks for suspending pulleys, balances, etc. from support rods or crossbars.
- For ½ in. to ¾ in. diameter rods

Cat. No.	Description	Price
S90317A	0.5 in.	4.95/Ea
S90317B	0.75 in.	6.70/Ea

Pendulum Clamp

Usual for experiments.



- Without bobs or stand
- Can hold three pendulums 2 in. (5cm) apart with points for suspension of cords on the same horizontal clamp
- Works with horizontal or vertical support rods up to 0.6 in. (1.5cm) in diameter

Cat. No.	Description	Price
S41470	Pendulum Clamp	21.00/Ea

fisherbrand Castaloy™ Adjustable Angle Clamps

Grip rods up to 19mm diameter.



Holding angle of jaw is adjustable and can be locked with a wingnut.

- For use with irregular shapes
- With 16mm clamp extension and 57mm maximum grip size
- Length: 0.62 in. (16mm)

INCLUDES:

Vinyl and fiberglass sleeves

Cat. No.	Description	Price
S477653Q	Castaloy Adjustable Angle Clamps	83.00/Ea

Extension Clamps

Allow for variable distance between the object and support rod.

- Plastic-covered jaws hold beakers and flasks firmly at any angle at a variable distance from their support
- One jaw is fixed; the other opens against a stainless-steel compression spring
- Open gradually to maximum size without binding
- Clamps will not rust



Cat. No.	Length (English)	Length (Metric)	Price
S49098	7.87 in.	19.98cm	12.75/Ea
S49099	9.05 in.	22.98cm	12.75/Ea

Eisco Premium 3-Finger Clamps

Ideal for beakers, Erlenmeyer flasks, test-tubes, boiling (Florence) flasks and burets.

- Powder-coated steel clamps
- All metal adjustment screws allow for precise pressure when gripping glass objects, to avoid potential breakage
- Rubber-coated clamps for higher temperature applications
- Thread-fitted actuating joints

Three Finger Clamp

- Maximum clamp opening is 8.5cm
- 10mm diameter x 14cm L connecting rod



3-Finger Cork Lined Clamp with Boss Head

- Maximum clamp opening is 8.5cm
- Boss accommodates to 19mm rod



3-Finger Clamp with Dual Screw Adjustments and Boss Head Attachment

- Heavy duty spring loaded clamp jaw with dual screw adjustment to fine tune any fitting
- 6cm maximum opening clamp
- 12.5cm steel connecting rod
- Boss head accepts up to 15mm rods



3-Finger Cork Lined Clamp

- Maximum clamp opening is 8.5cm
- 10mm diameter x 14cm L connecting rod



Large 3-Finger Clamp

- Maximum clamp opening is 8.5cm
- 10mm diameter x 14cm L



3-Finger Clamp with Boss Head

- Maximum clamp opening is 8.5cm
- Boss accommodates to 19mm rod



3-Finger Clamp with Dual Screw Adjustments

- 6cm maximum opening clamp
- 12.5cm steel connecting rod



Cat. No.	Description	Price
S13901	Premium Three Finger Clamp	18.50/Ea
S13917	Premium Three Finger Cork Lined Clamp	16.50/Ea
S13902	Premium Three Finger Clamp with Boss Head	17.00/Ea
S13918	Premium Three Finger Cork Lined Clamp with Boss Head	17.00/Ea
S13913	Premium Large Three Finger Clamp	15.50/Ea
S13911	Premium Three Finger Clamp with Dual Screw Adjustments	17.75/Ea
S13912	Premium Three Finger Clamp with Dual Screw Adjustments and Boss Head Attachment	19.25/Ea

Eisco™ 3 Prong Double Adjustable Universal Clamp



3 Prong Double Adjustable Universal Clamps are used to hold irregularly shaped items and provide a firm grip to most commonly used glassware items in the labs.

- Jaws are adjustable on both sides with thumbscrews and are coated with non-slip vinyl sleeve.
- Available with rod or an integral bosshead (clamp holder)
- Clamps can hold objects up to 58mm.
- Overall length 22cm.
- Holds glassware up to 3.75 inches
- Features non-slip vinyl coated rubber prongs and adjustable thumb screws on both sides.



WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S41721	3 Prong Double Adjustable Universal Clamp	12.25/Ea

Eisco 2 Prong Double Adjustable Universal Clamp with Boss Head



2 Prong Double Adjustable Universal Clamp with Boss Head is ideal for use with straight sides glassware and apparatus such as burettes, tubes and flask necks

- Jaws are coated with non-slip vinyl sleeve and are adjustable on both sides with thumbscrews.
- Jaws have a large grip of about 55mm.
- Overall length 22cm.
- Jaws are 2 in. long and open 3 in. wide
- Includes integrated boss head with max 3 in. opening
- Features non-slip vinyl coated rubber prongs
- Accommodates objects up to 3 in. wide



WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S41720	2 Prong Double Adjustable Universal Clamp with Boss Head	14.00/Ea

Eisco 3 Prong Clamp with Coated Diecast Jaw

High quality, durable 3 prong clamp with PVC coated die cast jaw that holds up to a 90mm or 3.5 in. capacity. Clamp tightens securely using a convenient thumbscrew. Overall clamp length is 10.5 in. and the diameter of the rod is 8mm or about 0.3 in.



Cat. No.	Description	Price
S24277	3 Prong Clamp with Coated Diecast Jaw	16.50/Ea

Eisco 4 Prong Clamp Retort—Cork Lined with Boss Head

Four prong, die casted alloy clamp retort with cork lined jaws with boss head. Accommodates rods up to 15mm in diameter. Jaw opening up to 90mm.

- For rods up to 15mm



Cat. No.	Description	Price
S24281	4 Prong Clamp Retort; Cork Lined with Boss Head	12.00/Ea

Eisco Universal Clamp

Two prongs, diecast with other parts of plated brass.



- Accept articles from 15 to 60mm dia. actuated by nickel-plated brass pummels and twin screw
- Jaws are cork-lined
- Fitted with 15cm long mild steel rod

Cat. No.	Length (English)	Length (Metric)	Price
S02628	11.41 in.	29cm	11.75/Ea
S02627	11.02 in.	28cm	6.55/Ea

Eisco Table Clamp

For securing and holding a rod up to 12.5mm dia. vertically in a machined V-groove.

Clamps to tabletop up to 65mm thick.

ORDERING INFORMATION:
Rod not included.



Cat. No.	Description	Price
S02609	Table Clamp	21.25/Ea

Eisco Support Rod Clamp



Support Rod Clamp is designed for clamping to table edges up to 65mm thick with a thumbscrew

- Features threaded hole (10 × 1.5mm) to hold rods up to 12.5mm diameter
- Stable and durable

WARRANTY:
1 year limited manufacturer warranty



Cat. No.	Description	Price
S41723	Support Rod Clamp	20.25/Ea

Eisco Premium Multipurpose Table Clamp



Premium Multipurpose Table Clamp can hold rods, pulleys, meter sticks and lab equipment. May also be used as a G-Clamp.

- Versatile
- Secures a wide variety of laboratory apparatus and accessories
- Made from heavy duty die-cast metal
- Non-ferrous metal construction will not bend or break under heavy loads
- Features a vinyl sleeve and swivel pad to ensure a strong, slip proof grip on a variety of surfaces
- Convenient built-in rod/pulley holder accommodates rods and pulleys up to 16mm (rods and pulleys sold separately)
- Solid metal screw adjustments and handles won't break while tightening
- Easy swivel screw adjustment provides smooth tightening and release of table clamp
- Securely fits on a variety of surfaces up to 65mm thick



WARRANTY:
1 year limited manufacturer warranty

Cat. No.	Description	Price
S41722	Premium Multipurpose Table Clamp	19.25/Ea

Eisco 4 Prong Chrome Plated Retort Clamp

The chrome plated, cork lined 4 prong retort clamp is ideal for clamping glassware of various sizes onto retort rods. Clamp has a 5.65 in. long rod which is 0.314 in. (8mm) diameter. Adjustable Jaw capacity is 0 in. to 4 in.



Cat. No.	Description	Price
S24276	4 Prong Chrome Plated Retort Clamp	10.75/Ea

Eisco 4 Prong Powder Coated Retort Clamp

This 4 prong, cork lined retort clamp is perfect for holding lab equipment in place during delicate experiments.



Cat. No.	Description	Price
S24275	4 Prong Powder Coated Retort Clamp	10.25/Ea

Eisco Combined Retort Clamp

Diecast alloy clamp retort, PVC coated jaws with boss head which accommodates rods up to 15mm in diameter.

- Diecast alloy
- Rubber-lined jaws with boss head
- Accomodates rods up to 15mm



Cat. No.	Description	Price
S02629	Combined Retort Clamp	13.75/Ea

Eisco Premium 2 Prong Clamps

The Eisco Premium Two Prong Clamp is an industrial two prong clamp for burettes, flasks, and beaker clamps.

- Powder-coated alloy and steel clamps
- Rubber coated tongs
- Thread fitted actuation joints

2 Prong Clamp

- Maximum clamp opening is 12cm
- 14cm connecting rod
- 10mm diameter connecting rod



2 Prong Cork Linked Clamp with Boss Head Attachment

- Maximum clamp opening is 10.5cm
- Swivel between clamp and boss head
- Boss accommodates to 19mm rod



2 Prong Clamp with Dual Screw Adjustments and Swivel Boss Head

- 7cm maximum clamp opening
- Boss head accepts up to 15mm rods



Prong Clamp with Boss Head Attachment

- Maximum clamp opening is 10.5cm
- Swivel between clamp and boss head
- Boss accommodates to 19mm rod



2 Prong Clamp with Dual Screw Adjustments

- 7cm maximum clamp opening
- 12.5cm connection rod



Cat. No.	Description	Price
S13909	Premium 2 Prong Clamp	15.25/Ea
S13910	Premium 2 Prong Clamp with Boss Head Attachment	17.00/Ea
S13916	Premium 2 Prong Cork-Lined Clamp with Boss Head Attachment	17.00/Ea
S13907	Premium 2 Prong Clamp with Dual Screw Adjustments	19.75/Ea
S13908	Premium 2 Prong Clamp with Dual Screw Adjustments and Swivel Boss Head	19.25/Ea

Eisco Boss Head Thermometer Holder

Great way to suspend a thermometer.

- Die cast with metal alloy finish
- Hook on one end for suspending thermometer



Cat. No.	Description	Price
S95951	With hook for thermometer	7.75/Ea

Eisco Thermometer Clamp with Boss Head

For attaching to support rods up to 16 mm in diameter.



- Adjustable 360° jaw rotation
- Will accommodate thermometers 6 to 12mm in diameter
- Clamp is die casted with thumbscrews and jaws are made of phosphor-bronze
- Overall Length: 140mm

Cat. No.	Description	Price
S14088	Thermometer Clamp with Boss Head	4.60/Ea

Eisco Stand and Rod Kit

Basic laboratory assembly in an economical kit



Base

- Retort base
- Stamped steel, powder coated
- Tapped hole receives 10 × 1.5mm threaded rod
- Dimensions: 20 × 13cm (8 × 5 in.)

Rod

- Made of high-quality steel
- Length: 60cm (23.6 in.)
- Diameter: 11.9mm (approx. 0.5 in.)
- Thread: 10 × 1.5mm

Cat. No.	Description	Price
S02630	Economy Base and Rod	16.75/Ea

Cast Iron Support Ring Stand

Great for holding all sorts of lab equipment in a small space. Made from cast-iron, with an enamel finish that is acid resistant. Includes a zinc plated steel rod that screws into the base support.

INCLUDES:

Zinc plated steel rod that screws into the base support



Cat. No.	Description	Price
S13745	4 × 6 in.	13.00/Ea
S13746	5 × 8 in.	14.50/Ea
S13747	6 × 9 in.	21.75/Ea
S13748	6.5 × 11 in.	28.50/Ea

Eisco Metalware Set

One each base, rod, boss head, clamp and retort ring.

The set includes:

- Base retort stand 20 × 12.5cm (S02611)
- Steel rods, 60cm (S02615)
- Boss head (S24263)
- 4-prong powder coated clamp retort (S24275)
- Retort ring, 75mm O.D.



Cat. No.	Description	Price
S02631	5 pieces	32.75/Ea

HEADLINE DISCOVERIES:
SCIENCE HAPPENS

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Support Stand with Rings

Great for holding all sorts of lab equipment in a small space. Made from cast iron, with an enamel finish that is acid resistant. Includes a zinc plated steel rod that screws into the base support. Supplied with support rings which are also cast-metal with a zinc finish.

INCLUDES:

Includes cast metal support rings with zinc finish



Cat. No.	Description	Price
S13749	Base 4 × 6 in., Rod 18 × 5/16 in., 2 Rings diameter 3, 4 in.	30.50/Ea
S13750	Base 5 × 8 in., Rod 20 × 3/8 in., 3 Rings diameter 3, 4 and 5 in.	34.50/Ea
S13752	Base 6 × 11 in., Rod 36 × 1/2 in., 5 Rings diameter 2, 3, 4, 5 and 6 in.	62.50/Ea

SP Scienceware™ Compact Support Stand

Noncorrosive, molded support stand provides a space-saving alternative to stands with cast-iron bases.

- Footprint of 8.25 × 6.3 in. (21 × 16cm) conserves bench space; base thickness, 1.7 in. (4.3cm)
- Weighs 4.3 lb. (1.95kg) for stability
- Two rod positions for mounting at center or one end of the base
- Stainless-steel mounting rod (dia. × L): 0.375 × 19 in. (9.4mm × 50cm)
- Hex nut secures the rod and prevents it from turning
- Polypropylene base is autoclavable with smooth surface for easy cleaning



Cat. No.	Description	Price
S04472	Compact Support Stand	84.00/Ea

Eisco 4 Piece Metalware Set

A durable and economical metalware set that is a great start to any laboratory.

- Simple metal ware set for laboratory use
- Kit consists of: (1) Base 20 × 12.5cm, (1) Steel Rod 60cm, (1) Retort Ring 7.5cm Outer Diameter, (1) 3 Coated Prong Clamp with boss head
- Powder coated, chemical resistant base
- Plated steel rod for chemical resistance and years of use
- 3 Prong clamp is able to swivel, coated tips will protect glass, and wide mouth will accommodate most common glassware up to 3.5 inches wide



Cat. No.	Description	Price
S23711	4 Piece Metalware Set	40.75/Ea

United Scientific™ Triangular Support with Rod

Heavy cast-iron triangular base.

- Black enamel finish
- Zinc-plated steel rods



Cat. No.	Diameter (Metric) Rod	Length (Metric) Rod	Price
S99423	0.8cm	45.7cm	13.25/Ea

United Scientific™ Extension Support Rings

Zinc-plated steel extension rings.



- Rod diameter: 0.31 in. (0.8cm)
- Overall length: 12 in. (30.5cm)

Cat. No.	Diameter (English) Outer	Price
S99428	3 in.	5.45/Ea
S99427	2 in.	5.40/Ea

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Support Ring Clamps

Great for holding all sorts of lab equipment in a small space. Can be clamped to a support stand rod for holding lab equipment.



- Clamp made from cast iron
- Nickel-plated steel screws
- Great for support stands/rods

Cat. No.	Diameter (English)	Price
S13756	5 in.	5.45/Ea
S13757	6 in.	7.80/Ea

Aluminum Lab Jacks

Provide a helpful platform for use in the lab. Can be raised and lowered as needed via the knob on the side to a full height of approximately 275mm.

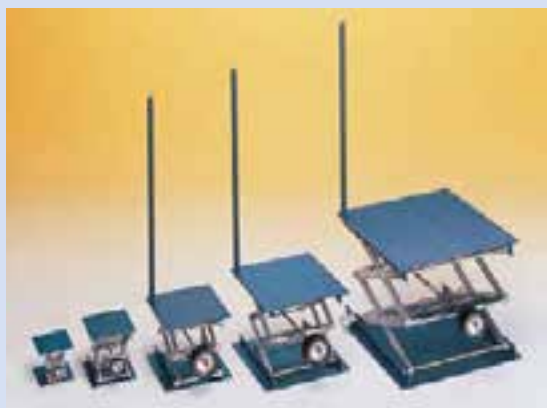


- Autoclavable

Cat. No.	Description	Price
S39018	150mm	30.50/Ea
S39019	200mm	38.75/Ea

fisherbrand Lab Jacks

Precise height adjustment with the turn of a knob.



- For supporting hotplates, baths, glassware and other items that require stable and precise height regulation
- Large diameter knobs provide a smooth and easy height adjustment
- Platforms are made of nonsparking anodized aluminum
- Standard, large and giant lab jacks have threaded holes to accommodate an optional support rod (S23514) and other apparatus

Cat. No.	Capacity	Size	Price
S63079	8.8 lb.	Micro, 3 × 3 in. Plate	294.00/Ea
S63080	31 lb.	Mini, 4 × 4 in. Plate	385.00/Ea
S63081	60 lb.	Standard, 6 × 6 in. Plate	296.00/Ea
S63082	79 lb.	Large, 8 × 8 in. Plate	349.00/Ea
S63083	100 lb.	Giant, 12 × 12 in. Plate	740.00/Ea

Cleaning Supplies

fisherbrand Sparkleen™ 1 Detergent

Sparkleen 1 is a universal detergent for manual or hand washing laboratory glassware and equipment. This mild highly buffered product is an excellent soak cleaner for most materials. Glassware washed with Sparkleen 1 is truly sparkling clean, entirely free from washing film, even with the hardest water.



- Concentrated
- Contains phosphates
- Supplied as 3.25 lb.

Cat. No.	Description	Price
S701101	Sparkleen 1 Detergent	46.00/Ea

Powdered Labware Detergent

For use in manual, soak, or ultrasonic cleaning

Ideal for cleaning labware, scientific apparatus, and process equipment.

- Concentrated powdered detergent
- Completely soluble
- Free-rinsing
- Disposable straight to drain

ORDERING INFORMATION:

- Available in a user-friendly bottle which permits easy dispensing and eliminates caking
- Size: 4 lb. (1.8kg)



Cat. No.	Description	Price
S70112A	Powdered Labware Detergent	42.50/Ea

Fisher Science Education™ Lens Cleaning Solution

Cleans glass or hard plastic safely, quickly and effectively.

- Unique formula cleans without leaving a residue
- Ideal for precision lens or prism cleaning because it does not dry too quickly
- This product is an Educational Grade Chemical — no C of A is available



Cat. No.	Description	Price
S25438	Lens Cleaning Solution	9.80/Ea

Absorbent Lab Towels

100% cotton towels.



Lint-free, individual towels are perfect for cleanup, and every student can have their own.

Cat. No.	Description	Price
S47610	Absorbent Lab Towels	27.00/Pk

Kimwipes™ Delicate Task Wipers

Clean and polish delicate surfaces without scratching or leaving residue. Single-ply Kimwipes™ EX-L wipers are made of a finely textured tissue. Come in a convenient Pop-U™ box with antistatic Lintguard™ polyshield.

- Low-linting wipers absorb 18% more water and are 24% faster than the leading private label task wiper
- Ideal for surfaces, parts, instruments and lens cleaning in laboratories and research environments
- Will not scratch delicate surfaces when used wet
- Dispensed individually to reduce waste while minimizing lint, static buildup, and contamination
- White
- Disposable



Cat. No.	Length (Metric)	Width (Metric)	Price
S47299	21.33cm	11.17cm	5.75/Pk
S47299A	42.16cm	37.33cm	18.00/Pk

fisherbrand Cheesecloth Wipes

Reagent-grade quality.

- 100% brilliant white, pure cotton construction will not scratch sensitive surfaces
- Have a high degree of cleanliness, softness, absorbency and strength
- Can be used to safely clean microscope and camera optical parts, as well as delicate glassware, syringes, pipets, and pH electrodes
- Absorb six times their weight in liquids and are useful for mopping up solvents and aqueous solutions
- Inert to even harsh solvents; good filtering material
- Grade 10 (mesh size)
- Size: 18 x 36 in.; 200/Pk.



Cat. No.	Description	Price
S04824	Cheesecloth Wipes	127.00/Pk

fisherbrand Glass Disposal Boxes

Separate broken and contaminated glassware from other waste.

- When boxes are full of glass, simply remove the lid and flip up the rear flap to seal
- Polybag liner for wet glassware can be sealed for safer disposal
- Prevent injuries from broken glass
- Printed for maximum visibility
- Floor Model dimensions: 12L x 12W x 27 in.H (30.5 x 30.5 x 68.6cm)
- Benchtop Model dimensions: 12L x 12W x 10 in.H (30.5 x 30.5 x 25.4cm)



Cat. No.	Dimensions (L x W x H)	Description	Price
S41263	12 x 12 x 27 in. (30.5 x 30.5 x 68.6cm)	Floor	50.00/Cs
S41264	8 x 12 x 10 in. (20.3 x 30.5 x 25.4cm)	Benchtop	44.00/Cs

Condensers and Distillation

Eisco Glass Micro Distillation Set



For small batch distillation. Typically used for organic chemistry lessons.

- All pieces are made of high quality borosilicate glass 3.3
- Packed in die-cut foam lined box for safe and easy storage
- Some glass pieces are threaded to provide a tight and secure connection during operation



Includes the following:

- 1 - Conical flask, 50mL
- 1 - Round Bottom Boiling Flask, 25mL
- 1 - Liebig Condenser, 100mm
- 1 - Still head
- 1 - Receiver adapter
- 1 - Funnel, 35mm
- 1 - Beaker, 50mL
- 1 - Burette, 10mL (Class A 0.1mL graduations, +/- 0.02 Tolerance)

DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29504	Micro Distillation Set	108.00/Ea

Eisco Student Distillation Kit



This student distillation kit contains everything needed for a simple distillation demonstration.



- All glassware is made from high quality borosilicate glass
- Each set includes: 300mm Liebig Condenser, 50mm dia Kjeldahl Ball, 500mL Boiling Flask, 500mL Erlenmeyer Flask, metal tripod stand, wire mesh gauze, cast iron support stand with rod, two prong clamp with bosshead

INCLUDES:

Liebig condenser (30mm), Kjeldahl ball (50mm), Boiling flask (500mL), Erlenmeyer flask (500mL) support stand, wire gauze, support stand with rod, clamp with bosshead

WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S40725	Student Distillation Kit	57.75/Ea

United Scientific™ Distillation Apparatus

Includes all the materials necessary to construct an inexpensive, versatile distillation apparatus.

- 500mL filtering flask
- 500mL round-bottom borosilicate flask with side tube
- 300mm Graham condenser
- 250mL Erlenmeyer flask
- Glass stopper
- Support stand (6 x 9 in. [15.2 x 22.9cm]) with 24 in. (61cm) rod
- Swivel buret clamp
- Extension clamp
- Clamp holder
- Activity guide



Cat. No.	Description	Price
S04534	Distillation Apparatus	152.00/Ea

Student Distillation Apparatus Kit

Demonstrates the properties of distillation in an inclusive kit. The GSC International Student Distillation Apparatus Kit is a must have kit for any student interested in learning the properties of distillation. It includes everything needed for a distillation demonstration.

- Simple and inexpensive pieces contained in this distilling apparatus are perfect for a student set
- Contains everything necessary to demonstrate the properties of distillation
- A comprehensive booklet is included which explains how the process of distillation is used in industry
- Boiling Flask, Erlenmeyer Flask and Kjeldahl Ball are made from heat resistant borosilicate glass



INCLUDES:

Liebig condenser with rubber connections, 300mm length; Kjeldahl ball, 50mm diameter; Boiling flask, 500mL; Three legged support stand for boiling flask; Cast iron support stand; Wire gauze; 500mL Erlenmeyer flask; Instructions

⚠ ALERTS:
Intended for ages 13 and up.

Cat. No.	Description	Price
S13767	Student Distillation Apparatus Kit	76.00/Ea

Eisco Fractional Distillation Assembly



Typically used to separate a mixture into individual parts or fractions by heating it up. Made from high quality borosilicate 3.3 glass.

- This kit includes 9 Pieces
- 1 - 250mL Erlenmeyer flask
- 1 - Round bottom Boiling Flask 250mL
- 1 - Vigreux Column
- 1 - Liebig Condenser
- 1 - Receiver adapter vacuum
- 4 joint Clips 19/26
- All joints sizes are 19/26
- All pieces are made of high quality borosilicate glass 3.3 glass



DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29521	Fractional Distillation Assembly	166.00/Ea

Eisco Hydro-Distillation Assembly



Used when distilling temperature-sensitive materials, like aromatic compounds. Made of high quality borosilicate 3.3 glass.



- All joints are size 19/26

Includes the following:

- Round-bottom Boiling Flask with two necks, 250mL
- Plain still head
- Liebig Condenser
- Delivery receiver adapter
- Dropping Funnel, 100mL with stopper
- 4x Joint Clip, 19/26

DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29522	Hydro-Distillation Assembly	148.00/Ea

Eisco Simple Distillation Assembly with Secure Joints



Includes threaded plastic connectors that provide a tight and stable fit between glassware pieces. Made from high quality borosilicate 3.3 glass.



- All joints are size 24/29
- Features plastic threaded screws to secure at joints for maximum stability

Includes the following:

- Round Bottom Flask - 250mL
- Still Head
- Liebig Condenser
- Receiver Adaptor

DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29523	Simple Distillation Assembly with Secure Joints	50.50/Ea

Eisco Simple Distillation Apparatus



Made from high quality borosilicate 3.3 glass.

- Joint size 19/26
- Each set includes one 500mL Still head with thermometer support, one 300mm Liebig Condenser, 1 Receiver adaptor, 3 (19/26) Joint Clips



DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29508	Simple Distillation Apparatus	46.25/Ea

Eisco Kjeldhal Distillation Set



Made from high quality borosilicate 3.3 glass.

- Joint size 19/26
- Each set includes one 500mL Kjeldhal flask, 1 Multiple adaptor, one 50mL Dropping funnel, 1 Splash Head, 1 Liebig condenser, and 4 (19/26) Joint Clips



DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29507	Kjeldhal Distillation Set	86.00/Ea

Eisco Simple Vacuum Distillation Assembly with Secure Joints



Includes threaded plastic connectors to provide a tight and stable fit between glassware pieces. Made of high quality borosilicate 3.3 glass.

- All joints are size 24/29
- Features plastic threaded screws to secure at joints for maximum stability



Includes the following:

- Round Bottom Flask - 250mL
- Still Head
- Liebig Condenser
- Adaptor Receiver Vacuum
- Erlenmeyer Flask - 100mL

DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29524	Vacuum Distillation Assembly with Secure Joints	85.00/Ea

Eisco Fractional Distillation Assembly with Secure Joints



Includes threaded plastic connectors for a tight and stable fit between glassware pieces. Made of high quality borosilicate 3.3 glass.

- All joints are size 24/29
- Features plastic threaded screws to secure at joints for maximum stability



Includes the following:

- Round Bottom Flask - 250mL
- Vigrex Column
- Still Head
- Liebig Condenser
- Receiver Adaptor

DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29525	Fractional Distillation Assembly with Secure Joints	67.75/Ea

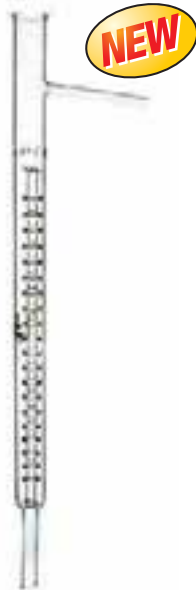
Eisco Glass Fractional Distillation Column

This glass fractional distillation column is designed with a rod and disc pattern. The column is made from high quality borosilicate glass and includes a removable center rod with 20 discs fit inside a smooth bore tube with side arm.

- Designed with a rod and disc pattern.
- Includes a removable center rod with 20 discs fit inside a smooth bore tube with side arm
- Overall length is 480mm

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Description	Price
S40612	Glass Fractional Distillation Column	15.00/Ea

Soxhlet Extraction Apparatus

GSC Soxhlet Extraction Apparatus, or continuous cycle extraction apparatus, is typically used when a compound has a limited solubility or when the impurity is insoluble in a solvent

- Efficiently recycles a small amount of solvent to dissolve a large amount of material
- Extraction cycles automatically restart once the solvent solution reaches the siphon tube
- Made from heat resistant Borosilicate Glass

INCLUDES:

- 1 Allihn condenser with a 50/42 ground bottom joint
- 1 Extraction tube with a 50/42 ground top joint and a 24/29 ground bottom joint
- 1 Flat bottom flask, 500ml with a 24/29 ground top joint



Cat. No.	Description	Price
S39020	Soxhlet Extraction Apparatus	87.00/Ea

Eisco Vacuum Fractional Distillation Assembly with Secure Joints

Includes threaded plastic connectors for a tight and stable fit between pieces of glassware. Made of borosilicate glass.

- All joints are size 24/29
- Features plastic threaded screws to secure at joints for maximum stability

Includes the following:

- Vigrex Column
- Still Head
- Liebig Condenser
- Receiver Adaptor Vacuum
- Flask Erlenmeyer - 100mL



DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S29526	Vacuum Fractional Distillation Assembly with Secure Joints	100.00/Ea

Eisco Liebig Condensers

Features an integrated inner tube and narrow jacket for efficient cooling.

- Glass Liebig condensers
- Made from high quality 3.3 borosilicate glass
- Integrated inner tube
- Narrow jacket for efficient cooling



Cat. No.	Height (Metric)	Length (Metric)	Price
S95944	60mm	540mm	15.25/Ea
S95945	160mm	780mm	11.50/Ea
S29418	59cm	7.6cm	9.10/Ea

Eisco Glass Liebig Condensers

With screw thread to provide additional safety in lab.

- Made from high quality Borosilicate 3.3 Glass
- Screw thread joints allow flasks to connect firmly with other glassware
- Autoclavable



Eisco™ Glass Vigrex Columns

With screw threads to provide additional safety in lab.

- Made from high quality Borosilicate 3.3 Glass
- Screw thread joints allow flasks to connect firmly with other glassware
- Autoclavable



Cat. No.	Standard Taper Joint No	Height (Metric)	Length (Metric)	Width (Metric)	Price
S88386	14/23 NS	30cm	4cm	4cm	18.00/Ea
S88387	19/26 NS	30cm	4cm	4cm	18.00/Ea
S88388	19/26 NS	45cm	6.3cm	10cm	20.50/Ea
S88389	24/29 NS	45cm	6.3cm	10cm	22.75/Ea

Cat. No.	Capacity	Price
S88394	100mL	22.75/Ea
S88395	150mL	22.75/Ea
S88396	200mL	39.50/Ea

Eisco Glass Bulb Condensers

With screw threads to provide additional safety in lab.

- Made from high quality Borosilicate 3.3 Glass
- Screw thread joints allow flasks to connect firmly with other glassware
- Autoclavable



Eisco Plain Still Head Adapters with Thermometer Socket

These adapters are used in most distillation assemblies to connect the condenser and flask. Thermometer socket size B14.

- Plain still head adapters include a thermometer socket
- Thermometer socket size is B14
- Designed to connect to a flask and condenser
- Made from high quality borosilicate 3.3 glass
- Autoclavable



DISCLAIMERS:

1 year limited manufacturer warranty

Cat. No.	Standard Taper Joint No	Height (Metric)	Length (Metric)	Width (Metric)	Price
S88390	14/23	30cm	4cm	4mm	18.00/Ea
S88391	19/26	30cm	4cm	4cm	19.25/Ea
S88392	19/26	34cm	7.3cm	10cm	19.75/Ea
S88393	24/29	35cm	7.3cm	10cm	20.50/Ea

Cat. No.	Description	Price
S29474	14/23	10.25/Ea
S29475	19/26	7.40/Ea
S29476	24/29	9.50/Ea
S29477	29/32	9.85/Ea
S29478	34/35	12.00/Ea
S29479	24/29	10.50/Ea
S29480	34/35	13.00/Ea
S29481	34/35	18.50/Ea

Eisco Pear-Shaped Splash Heads and Traps



For use in distillation assemblies



- Made from high quality borosilicate 3.3 glass
- Autoclavable

Vertical Splash Heads

- For use with vertical condensers
- For use between flask and condenser to prevent carry over of raw liquids

Sloping Splash Heads

- For use to prevent carry over of raw liquids into the vapor steam

Splash Head Traps

- For use between flask and condenser to prevent carry over of raw liquids

DISCLAIMERS:

1 year limited manufacturer warranty

Vertical Splash Heads

Cat. No.	Description	Price
S29485	To fit flask- 19/26, To fit condenser- 19/26	15.50/Ea
S29486	To fit flask- 24/29, To fit condenser- 19/26	15.50/Ea
S29487	To fit flask- 24/29, To fit condenser- 24/29	18.50/Ea
S29488	To fit flask- 29/32, To fit condenser- 29/32	21.00/Ea

Sloping Splash Heads

Cat. No.	Description	Price
S29489	To fit flask- 19/26, To fit condenser- 19/26	13.75/Ea
S29490	To fit flask- 24/29, To fit condenser- 19/26	13.75/Ea
S29491	To fit flask- 24/29, To fit condenser- 24/29	16.00/Ea
S29492	To fit flask- 29/32, To fit condenser- 29/32	17.25/Ea

Splash Head Traps

Cat. No.	Standard Taper Joint	Standard Taper Stopper No.	Price
S29482	14/23	Cone: 14/23	9.50/Ea
S29483	19/26	Cone: 24/29	9.75/Ea
S29484	24/29	Cone: 29/32	11.25/Ea

Eisco Glass Still Heads with Screw Threads



Eisco™ Glass Still Heads with Screw Threads features thermometer sockets for use with 6 to 7mm diameter thermometers.

- With screw threads and thermometer socket
- Made from high quality Borosilicate 3.3 Glass
- Screw threads provide additional lab safety
- Screw thread joints allow flasks to connect firmly with other glassware
- Autoclavable



Cat. No.	Description	Price
S88403	14/23	8.40/Ea
S88404	19/26	9.60/Ea
S88405	24/29	11.50/Ea

Solid Glass Beads

Increase the efficiency of separations.

- For use in distillations or as inert boiling stones
- Packaged in 1 lb. (0.45kg) packs



Cat. No.	Diameter (Metric)	Quantity	Price
S80024	3mm	12500/lb.	51.00/Ea
S800241	4mm	5500/lb.	48.75/Ea
S800242	5mm	2700/lb.	55.00/Ea
S800243	6mm	1600/lb.	19.75/Ea

Containers

United Scientific™ Plastic Lab Trays

Ideal for carrying, storing and cleaning products.



- Can also be used to contain small spills and serve as a drip pan

ORDERING INFORMATION: Sold as pack of 10.

Cat. No.	Description	Price
S04545	Plastic Lab Tray	74.75/Pk

United Scientific™ Utility Trays

Steam autoclavable, polypropylene molded trays.

- Ideal for sterilizing, drying or storage of labware
- Carrier tray has built-in handle for easy carrying of reagents or labware
- Standard Tray measures: 15 x 14 x 5 in. (38.1 x 35.6 x 12.7cm)
- Carrier Tray measures: 15 x 9.5 x 4.5 in. (38.1 x 24.1 x 11.4cm)



Cat. No.	Description	Price
S99413	Utility Tray	150.00/Pk
S99414	Carrier Tray	182.00/Pk

Eisco Polypropylene Laboratory Trays



Rugged, easy to clean and fatigue resistant.

- Durable polypropylene laboratory trays
- Chemical and temperature resistant
- Broad lip for easy carrying
- Autoclavable



WARRANTY: 1 year limited manufacturer warranty

Cat. No.	Dimensions (L x W x H)	Price
S29352	37 x 30 x 7.5cm	12.25/Ea
S29353	37 x 35 x 13cm	21.50/Ea
S29354	54 x 43.5 x 13cm	29.50/Ea
S29536	45 x 35 x 7.5cm	15.75/Ea

Crucibles

Low-Form Crucibles with Lid

Uniform density provides stable mechanical strength and low permeability.



- Lab grade porcelain
- Glazed piece can withstand temperatures of 1050°C
- Dimensions: 51 x 25 x 30mm
- Capacity: 30mL

Cat. No.	Description	Price
S326461A	Low Form Crucible	3.40/Ea

High-Form Porcelain Crucible with Lids

Constructed with uniform thickness and density for stable mechanical strength. Can withstand temperatures of up to 1050°C.



- Porcelain is uniform in thickness and density, which allows stable mechanical strength and little permeability
- Glazed on the inside and outside surfaces, including lids
- When properly used the glazed pieces can withstand temperatures of 1050°C

Cat. No.	Description	Price
S13774	15mL Crucible with Lid	16.75/Pk

Eisco Porcelain Crucibles with Lid

Used to heat chemical compounds.



- For basic laboratory use to heat chemical compounds
- Constructed of glazed porcelain for strength, thermal performance, and enhanced chemical resistance
- Can withstand temperatures up to 1050°C (1900°F)

Cat. No.	Capacity	Price
<i>Short Form</i>		
S14001	10mL	21.00/Pk
S14002	30mL	52.25/Pk
S14003	50mL	84.00/Pk
<i>Tall Form</i>		
S13953	10mL	21.00/Pk
S15475	15mL	2.65/Ea
S15476	30mL	2.65/Ea
S13954	50mL	31.50/Pk

Eisco Porcelain Gooch Crucibles



Features a perforated bottom, with glazed inside and outside with the exception of outer bottom surface and rim

- Used for drying and ashing filtrate at high temperatures
- Top outside diameter 42mm, overall height 40mm, 2mm thickness
- 30mL capacity

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Quantity	Price
S89306	1 Each	2.05/Ea
S89307	5 Pack	13.00/Pk

fisherbrand Crucibles and Covers

Easy to clean smooth, glazed surface.

- Use in any chemical environment
- Withstand temperatures up to 1150°C (2102°F)
- Consistent wall thickness and density
- Fired twice to give added strength and durability
- Highly resistant to chemical attack



Cat. No.	Capacity	Description	Price
S02221	15mL	High-Form	42.00/Pk
S02227	17mL	Wide-Form	45.00/Pk
S02222	30mL	High-Form	63.25/Pk
S02228	30mL	Wide-Form	52.50/Pk
S02223	40mL	High-Form	65.50/Pk
S02224	50mL	High-Form	74.00/Pk
S02225	100mL	High-Form	91.00/Pk
S02230	100mL	Wide-Form	76.00/Pk
S02234	----	Crucible Cover	74.00/Pk

Eisco Low Silica Crucibles



Eisco™ Low Silica Crucibles with fully glazed inner and outer surfaces are highly resistant to alkalis and hot temperatures.

- Lid included



Cat. No.	Quantity	Price
S88377	1 Each	26.00/Ea
S88378	5 Pack	130.00/Pk

United Scientific™ Stainless Steel Laboratory Crucibles

Withstands temperatures from -180°C to +800°C.

- Unibody construction from Type 304 stainless steel
- Includes cover
- Available in 15, 20, 25, 30, 50 and 100mL capacities



Cat. No.	Capacity	Diameter (Metric) Outer	Height (Metric)	Price
S13085	15mL	32mm	34mm	10.75/Ea
S13086	20mL	33mm	34mm	9.25/Ea
S13087	25mL	36mm	34mm	12.25/Ea
S13088	30mL	39mm	38mm	12.75/Ea
S13090	100mL	57mm	55mm	19.50/Ea

Eisco Crucible Tong

Crucible tongs for flasks, test tubes, dry ice and other laboratory items.



- For laboratory items up to 5cm diameter
- Nickel plated steel
- Length 20cm

Cat. No.	Description	Price
S23647	Crucible Tongs	2.20/Ea

Crucible Tongs

Stainless steel crucible tong with non-binding joint.



- For smooth operation
- Overall length 10 in.

Cat. No.	Description	Price
S50256A	Crucible tong	10.50/Ea

Cylinders

AquaPhoenix™ Cylinder Set

Ideal for laboratory use.

- Glass
- Includes one each of 10, 25, 50, 100 and 250mL



Cat. No.	Description	Price
S04406	Cylinder Set	90.00/Pk

Graduated Cylinder Set

Set includes an assortment of the most popular sizes.

- Made of borosilicate glass
- Feature a stable glass hex base
- Includes one each of the following sizes: 10, 25, 50, 100 and 250mL
- All but 10mL size include a plastic SafeGuard™ bumper



Cat. No.	Description	Price
S32139	Graduated Cylinders, Set of 5	149.00/Pk

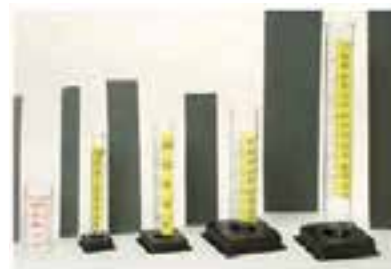
Economy Cylinder Starter Kit

Each student can have a set.

Contains the four graduated cylinders needed for most laboratory experiments.

INCLUDES:

One each of 10, 25, 50 and 100mL cylinders, a density volume finder for water volume displacement experiments and a plastic storage case



Cat. No.	Description	Price
S32808	Economy Cylinder Starter Kit	9.18/Ea

fisherbrand Graduated Cylinders

Single metric scale in tough ceramic enamel.

- Quality borosilicate glass cylinder with pouring lip
- Heavy glass base provides extra stability



Cat. No.	Capacity	Graduations	Price
S63455	10mL	0.2mL	13.50/Ea
S63456	25mL	0.5mL	12.00/Ea
S63457	50mL	1mL	15.50/Ea
S63458	100mL	1mL	17.75/Ea
S63459	250mL	2mL	30.50/Ea
S63460	500mL	5mL	41.25/Ea
S63461	1000mL	10mL	61.00/Ea

Eisco Class B Graduated Cylinder with Round Base

Borosilicate glass, Class - B, Round base with spout as per DIN EN ISO 4788.



Cat. No.	Capacity	Price
S15486	10mL	40.50/Ea
S15455	25mL	3.95/Ea
S15456	50mL	5.35/Ea

Cylinders with Detachable Plastic Base and Bumpers

Calibrated "To Deliver"

- Borosilicate glass cylinders
- Graduated with single blue metric scale
- All cylinders except 10mL size are supplied with SafeGard™ bumpers
- Plastic bases and bumpers can be replaced



ORDERING INFORMATION:

Sold in packs of 6

Cat. No.	Capacity	Graduations	Price
S31857	10mL	0.2mL	58.75/Pk
S31858	25mL	0.5mL	93.00/Pk
S31859	50mL	1mL	100.00/Pk
S31860	100mL	1mL	104.00/Pk

Class B Graduated Cylinders, "To Contain"

Class B with spout.

- Calibrated "To Contain" at 20°C
- 10mL size has enlarged funnel top for ease of filling
- Kimax KG-33 glass
- With hexagonal base flat ground for added stability

COMPLIANCE:

Glass meets Type 1, Class A, ASTM™ E-438 standard. Cylinder designed to ASTM E-1272, Style 1, Class B specification requirements.



Cat. No.	Capacity	Graduations	Price
S00037	10mL	0.2mL	303.00/Cs
S00039	50mL	1mL	328.00/Cs
S00040	100mL	1mL	357.00/Cs
S00041	250mL	2mL	237.00/Cs
S00042	500mL	5mL	124.00/Cs
S00043	1000mL	10mL	181.00/Cs

Class B Graduated Cylinders, "To Deliver"

With double reverse scale and spout.

- Kimax KG-33 glass cylinder calibrated "To Deliver"
- 10mL size has enlarged funnel-shaped top for ease of filling
- 10 and 25mL sizes are comparatively short to provide increased stability
- Durable white ceramic enamel scale has two sets of numerals: one reading from bottom to top of the cylinder (ascending), the other reading from top to bottom (descending)

COMPLIANCE:

Glass meets Type 1, Class A, ASTM™ E-438 standard. Cylinders designed to ASTM E-1272, Style 1, Class B specification requirements.



Cat. No.	Capacity	Graduations	Price
S00046	25mL	0.5mL	189.00/Cs
S00047	50mL	1mL	157.00/Cs
S00048	100mL	1mL	235.00/Cs
S00051	1000mL	10mL	154.00/Cs

Eisco Graduated Cylinder with Guard

Borosilicate glass graduated cylinder included with plastic guard.

- Class B
- Plastic detachable hexagonal base
- 1000mL



Cat. No.	Capacity	Price
S27969	100mL	3.10/Ea

Graduated Cylinders

Have durable white scale and convenient marking spot.

- KIMAX™ KG-33 borosilicate glass
- Provided with a detachable, plastic hex base, which provides for compact storage when not in use
- SAFE-GARD™ bumper is supplied with all sizes except the 10mL



Cat. No.	Capacity	Graduations	Price
S01514	25mL	0.5mL	121.00/Cs
S01516	100mL	1mL	139.00/Cs

Eisco Borosilicate Glass Graduated Cylinder Set

- Set of 10, 50 and 100mL cylinders
- All cylinders include plastic guard and plastic detachable hexagonal base
- Class B borosilicate glass ISO 4788 (in 20°C)
- Plastic base and plastic guard are removable for easy cleaning



Cat. No.	Description	Price
S15492	Graduated Cylinder Set	16.25/Ea

PYREX™ VISTA™ Educational-Grade Cylinders

Calibrated “To Contain.”

- Borosilicate glass
- Two-piece construction
- Single metric scale
- Detachable plastic base absorbs impact and reduces breakage
- Durable blue-enamel graduations
- Plastic bumper guards supplied on 25 through 100mL sizes; 10mL size has funnel top
- Tolerance $\pm 5\%$ of total capacity at any volume
- Nonsterile



Cat. No.	Capacity	Graduations	Price
S95186	10mL	0.1mL	117.00/Cs
S95186A	25mL	0.2mL	108.00/Cs
S95186B	50mL	1mL	122.00/Cs
S95186C	100mL	1mL	155.00/Cs

PYREX™ Economy Double Scale Cylinders

Borosilicate cylinders calibrated “To Contain” (TC)

- Two metric scales for reading up or down
- Shorter than standard cylinders
- Without bumper guards
- Class B
- Nonsterile



Cat. No.	Capacity	Graduations	Price
S63258	10mL	0.1mL	18.00/Ea
S63262	250mL	2mL	42.00/Ea

PYREX™ Single Metric Scale Graduated Cylinder with Funnel Top

With bumper guards and permanent white enamel marking spot

These PYREX™ graduated cylinders are calibrated “to contain” (TC) and have white enamel graduations. Larger sizes include plastic bumper guards.

- Borosilicate glass
- Permanent, white enamel
- Larger sizes have bumper guards



Cat. No.	Capacity	Price
S14281	10mL	16.50/Ea
S14282	25mL	23.25/Ea
S14283	50mL	44.00/Ea
S14284	100mL	29.75/Ea
S14285	250mL	39.00/Ea
S14286	500mL	54.75/Ea
S14287	1L	112.00/Cs
S14288	2L	143.00/Cs

Eisco™ Graduated Cylinder with Hexagonal Base and Spout

The sturdy borosilicate glass graduated cylinder is ideal for measuring liquids. The graduation markings make it easy to read liquid levels and the spout allows for liquids to be poured from the vessel with little spillage.



Eisco Class A Hexagonal Base Glass Graduated Cylinders



- Made from high quality Borosilicate 3.3 Glass
- Hexagonal base for maximum stability
- Printed graduations are chemical resistant
- Spout for easy, mess free pouring
- Conforms to DIN EN ISO 4788 standard
- Autoclavable



Cat. No.	Capacity	Price
S15490	10mL	5.85/Ea
S15489	25mL	7.15/Ea
S23905	50mL	6.40/Ea
S15491	100mL	8.00/Ea
S23907	500mL	16.25/Ea
S23908	1000mL	26.00/Ea

Cat. No.	Capacity	Graduations	Price
S88449	10mL	0.2mL	6.15/Ea
S88450	25mL	0.5mL	7.40/Ea
S88451	50mL	1mL	8.35/Ea
S88452	100mL	1mL	11.00/Ea
S88453	250mL	2mL	14.25/Ea
S88454	500mL	5mL	20.50/Ea
S88455	1000mL	10mL	35.25/Ea
S88456	2000mL	20mL	53.50/Ea

PYREX™ VISTA™ Class A Cylinder

Calibrated "To Contain."

- Blue enamel graduations
- Capacity is in accordance with ASTM™ E-1272
- 10mL size has a funnel top for easier filling



Cat. No.	Capacity	Price
<i>Calibration: To Contain</i>		
S76101A	10mL	14.00/Ea
S76101C	50mL	20.50/Ea
S76101D	100mL	34.75/Ea
S76101E	250mL	47.25/Ea
S76101F	500mL	46.50/Ea
<i>Calibration: To Deliver</i>		
S76102C	50mL	34.75/Ea
S76102D	100mL	43.00/Ea
S76102F	500mL	46.50/Ea

fisherbrand

Polymethylpentene Graduated Cylinders

Clear, shatterproof polymethylpentene polymer.

- Withstand autoclaving temperatures of up to 175°C
- Hexagonal bases improve stability



Cat. No.	Capacity	Graduations	Price
S32810	10mL	0.2mL	7.00/Ea
S32811	25mL	0.5mL	7.00/Ea
S32813	100mL	1mL	8.00/Ea
S32814	250mL	2mL	16.00/Ea
S32815	500mL	5mL	19.50/Ea
S32816	1000mL	10mL	32.00/Ea

fisherbrand

Polymethylpentene Graduated Clear Cylinders

Easy-to-read transparent cylinders with large molded-in graduations.

- Withstand autoclaving temperatures of up to 175°C
- All-plastic construction eliminates liquid meniscus for easier and more accurate readings
- Octagonal bases improve stability



Cat. No.	Capacity	Price
S32813A	100mL	34.00/Ea
S32814A	250mL	42.50/Ea
S32815A	500mL	53.00/Ea
S32816A	1000mL	73.50/Ea

Eisco Graduated Cylinders with Round Base

Round base provides good stability.

- Made of polypropylene
- Raised graduations



Cat. No.	Capacity	Price
S14094	10mL	1.05/Ea
S14095	25mL	1.15/Ea
S14097	100mL	2.10/Ea
S14111	250mL	2.65/Ea
S14098	500mL	4.20/Ea
S14099	1000mL	10.50/Ea

Eisco Polypropylene Cylinders

Base provides good stability.

- Made of polypropylene
- Single piece, autoclavable, graduated
- Good contact clarity



Cat. No.	Capacity	Price
S95171A	10mL	29.50/Pk
S95172A	25mL	21.00/Pk
S95173A	50mL	27.25/Pk
S95174A	100mL	31.50/Pk
S95175A	250mL	26.75/Pk
S95176A	500mL	22.25/Pk
S95177A	1000mL	30.00/Pk
S95178A	2000mL	33.75/Pk
S95179A	One each of: 10, 25, 50, 100, 250, 500, 1000, 2000mL	34.50/Pk

Eisco Class B Graduated Cylinder with Hexagonal Base

These polypropylene graduated cylinders have a hexagonal base, are made from a single piece and are autoclavable.

- Premium polypropylene



Cat. No.	Capacity	Price
S14101	10mL	0.70/Ea
S14102	25mL	1.10/Ea
S14103	50mL	1.60/Ea
S14104	100mL	1.85/Ea
S14105	250mL	2.50/Ea
S14106	500mL	4.20/Ea

United Scientific™ Plastic Graduated Cylinder Set

A convenient classroom set of seven graduated polypropylene cylinders in sizes 10, 25, 50, 100, 250, 500 and 1000mL.

- Shipping weight: 1.75 lb. (0.7kg)
- Dimensions: 15.5 × 10 × 4 in. (39.37 × 25.4 × 10.16cm)



Cat. No.	Description	Price
S01973	Plastic Graduated Cylinders Set	33.25/Ea

SP Scienceware™ Holdfast™ Graduated Cylinder

Pour securely and safely with an easy pour handle.

- 1000mL capacity
- Easy-to-read double scale with raised 10mL graduations
- Hexagonal base prevents tipping and rolling
- Will not create a meniscus
- Handle opening: 8.9 × 2.9cm (3 × 1.125 in.)
- Chemically resistant; autoclavable at 121°C (250°F)



Cat. No.	Description	Price
S32820	Graduated Cylinder	36.75/Ea

Desiccators

fisherbrand **Circular Bottom Desi-Vac™ Container Desiccator with Vacuum Pump**

No separate vacuum pump is required for these desiccators.



Plastic container with a self-contained vacuum pump is ideal for drying, storing chemicals, powders, sample tissues and plant sections, etc.

- Self-contained unit holds a vacuum of 14.7 in.Hg (373mm) in excess of 24 hours
- Vacuum pump built into the top removes air with manual strokes
- Rubber O-ring sealed cover maintains vacuum
- Release button on top allows air into the container to remove the lid
- Use with Fisherbrand™ Humidity Sponge™ to keep samples dry (S33516IND or S33516REG)

Cat. No.	Diameter (English) Outer	Height (English)	Volume (English)	Price
S97606	7.25 in.	8.5 in.	50.72 oz.	52.00/Ea

SP Scienceware™ Dry-Keeper™ Vertical Desiccator

Cabinet adapts to requirements and indicates moisture level

- Glass translucent methyl-methacrylate construction
- Three adjustable, perforated shelves and shelf rails
- 15 shelf height locations
- Dial hygrometer on gasketed door
- Door swings rightward on two metal hinges and closes with two metal latches
- Interior volume is 2.01 cu. ft.
- Incorporated desiccant tray under the bottom shelf



ORDERING INFORMATION:

Door opening: 10 × 17.88 in.

(25 × 45cm)

Inside depth: 13.25 in. (34cm)

Cat. No.	Description	Price
S52103	Vertical Desiccator	1130.00/Ea

Dishes and Plates

Eisco Round Glass Evaporating Basins with Spout



Round glass evaporating basins with spouts for easy mess free pouring. Designed for drying and evaporation applications including use in an oven or microwave to produce concentrated solutions or a precipitate by evaporating excess solvent. Reusable and autoclavable.



- Made from high quality borosilicate 3.3 glass

WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Capacity	Diameter (Metric)	Height (Metric)	Price
S88374	15mL	50mm	25mm	5.65/Ea
S88375	45mL	60mm	30mm	3.40/Ea
S88376	500mL	130mm	62mm	19.00/Ea

Heavy Glass Desiccators

Made entirely of glass for those instances when desiccating needs demand a glass container.

- Non-vacuum

ORDERING INFORMATION:

Sold without plates.



Cat. No.	Diameter (Metric) Inner	Price
S33512	150mm	93.00/Ea
S33507	100mm	92.00/Ea

fisherbrand Porcelain Evaporating Dishes

Useful for a variety of evaporating processes and ashing.

- Can be used in any chemical environment and in temperatures up to 1150°C (2102°F)
- Easy to clean, strong, durable and safe to use
- Deep form with lip
- Round bottom
- Highly resistant to chemicals
- Glazed inside and out except for rim



Cat. No.	Capacity (English)	Diameter (English) Outer	Height (English)	Price
S02239	1.18 oz.	2.36 in.	0.94 in.	81.00/Pk
S02240	2.36 oz.	2.95 in.	1.18 in.	78.00/Pk
S02241	4.05 oz.	3.7 in.	1.65 in.	110.00/Pk
S02242	5.07 oz.	3.93 in.	1.65 in.	125.00/Pk

Eisco Porcelain Evaporating Basins with Spouts

Glazed porcelain evaporating basins include spouts for easy, mess free pouring. Designed to withstand high temperatures during drying applications including use in an oven or microwave to produce concentrated solutions or a precipitate by evaporating excess solvent.



- Made from high quality, glazed porcelain
- Spout for easy, mess free pour
- Flat bottom dishes are glazed inside and outside except for rim
- Round bottom dishes are fully glazed except outside base

Cat. No.	Capacity	Bottom Shape	Diameter (Metric) Outer	Price
S13949	50mL	Flat	75mm	2.55/Ea
S23774	70mL	Round	75mm	1.85/Ea
S13950	100mL	Flat	100mm	5.00/Ea
S13952	120mL	Round	94mm	2.10/Ea
S13951	200mL	Flat	120mm	6.60/Ea
S23775	250mL	Round	115mm	4.60/Ea

Eisco Mortar and Pestle Set

Features a flat bottom, unglazed grinding surfaces, and spout for easy pouring. Eisco Mortar and Pestle Set is made from lab quality porcelain and designed for efficient and uniform grinding of various materials.

- Outside of mortar and handle of pestle is glazed
- Inner bowl and pestle end are not glazed
- Flat bottom for stability



Cat. No.	Capacity	Diameter (Metric) Inner	Price
S23641	148mL	105mm	4.40/Ea
S23642	275mL	140mm	4.85/Ea
S23643	550mL	153mm	6.55/Ea

Porcelain Evaporating Dish

Glazed except on rim for easy cleaning.

- Round bottom
- With pour-out spout



Cat. No.	Capacity	Diameter (English)	Height (English)	Price
S33704CR	80mL	2 in.	1.181 in.	25.50/Ea

United Scientific™ Porcelain Casseroles

Porcelain casserole dishes with porcelain handles.

- Casseroles are glazed inside and out
- With lip
- Glazed finish



Cat. No.	Capacity	Diameter	Price
S325501A	30mL	50mm	3.60/Ea
S325501C	175mL	90mm	9.75/Ea

PYREX™ Watch Glasses

Heavy walls and uniform fire-polished edges for strength.

Feature a high chemical durability which prevents contamination.

- Reusable
- Plain finish
- Used as beaker covers,
- Permits escape of excess vapor and eliminates risk of contamination from dropped hooks or props



Cat. No.	Diameter	For Use With	Price
S34819	7.5cm	For 250mL Beaker	43.50/Pk
S34820	9cm	For 400mL Beaker	76.00/Pk
S34821	10cm	For 600mL Beaker	51.75/Pk

Eisco Watch Glasses



- Polished
- Ground edges
- Used for evaporating or holding samples
- 40mm thick

Cat. No.	Diameter (Metric)	Price
S99378	5cm	4.95/Pk
S99380	7.5cm	4.95/Pk

United Scientific™ Disposable Petri Dishes

These disposable dishes offer excellent clarity and strength.

- Polystyrene
- Sterile

ORDERING INFORMATION:

Sold as pack of 10



Cat. No.	Diameter (Metric)	Wells	Price
S08187	90mm	2	4.35/Pk
S08184	65mm	1	3.05/Pk
S08185	90mm	1	4.35/Pk
S08186	150mm	1	13.75/Pk

Petri Dishes

For general laboratory use.

- Made of clear polystyrene
- Supplied with lid and bottom
- Available in different dimensions

WARRANTY:

1 year unlimited



Cat. No.	Dimensions	Price
S24557	35 × 15mm	3.70/Pk
S24560	50 × 15mm	4.20/Pk
S24558	70 × 15mm	4.30/Pk
S24551	90 × 15mm	5.70/Pk

Eisco Glass Petri Dishes with Covers



Feature beaded edges for greater mechanical strength and can withstand repeated wet or dry sterilization.

- Made from high quality borosilicate glass
- Includes glass dish and cover
- Beaded edges provide enhanced durability
- Can be repeatedly sanitized via wet or dry methods



INCLUDES: Glass dish, Glass cover

WARRANTY: 1 year limited manufacturer warranty

Cat. No.	Diameter (Metric)	Price
S29421	50mm	5.45/Pk
S29419	100mm	5.75/Ea
S29420	150mm	13.00/Ea

fisherbrand Petri Dish with Clear Lid

Feature a new and improved design and packaging

- Made from medical-grade, gamma sterilized polystyrene
- Ventilation ribs on the lid allow for air circulation
- Manufactured in a state-of-the-art cleanroom facility
- Packaging features a UPS[®] shippable outer carton to prevent damage
- Product sleeve is made from a strong polymer to prevent bag holes
- Dishes packed in easy-open product sleeve with tear notch
- Product sleeves are vacuum sealed to prevent scuffing and other damage to dishes
- Complete manufacturing traceability with use of both the lot number on the case label and the lot ID number on the product sleeve
- 60 × 15mm



Cat. No.	Description	Price
S35839	Petri Dishes with Clear Lid	243.00/Cs

Eisco Flat-Bottom Glass Crystallizing Dishes



Dishes have no spout and are ideal for storage and crystallization.



- Made from high quality borosilicate 3.3 glass
- Reusable
- Autoclavable

Cat. No.	Capacity	Diameter	Height	Length	Price
S88367	20mL	40mm	25mm	40mm	4.10/Ea
S88368	40mL	50mm	30mm	50mm	4.50/Ea
S88369	60mL	60mm	30mm	60mm	4.10/Ea
S88370	100mL	70mm	40mm	70mm	5.25/Ea
S88371	150mL	80mm	45mm	80mm	6.40/Ea
S88372	300mL	95mm	55mm	95mm	10.25/Ea
S88373	500mL	115mm	65mm	115mm	15.75/Ea

Eisco Glass Pneumatic Trough



Made from high quality soda glass

- 20mm diameter
- Made from soda glass
- Flat walls with concave base
- Holds liquid during gas collection



WARRANTY:
1 year limited manufacturer warranty

Cat. No.	Description	Price
S89305	Glass Pneumatic Trough	19.75/Ea

Eisco Glass Coplin Jar



Accommodates 5 slides for staining and washing slides.

- Glass Coplin jar with molded glass cover for staining slides
- Fits 25 × 75mm slides



WARRANTY:
1 year limited manufacturer warranty

Cat. No.	Description	Price
S89497	Glass Coplin Jar	8.65/Ea

Eisco Flat-Bottom Glass Crystallizing Dishes with Spout



Flat bottom glass crystallizing dishes with spouts for easy, mess free pouring. Ideal for storage and crystallization. Reusable and autoclavable.



- Made from high quality borosilicate 3.3 glass
- Spout for easy, mess free pour
- 100mL capacity

Cat. No.	Description	Price
S88366	Crystallizing Dishes with Spout	31.00/Pk
S39762	Crystallizing Dishes with Spout	10.25/Ea

Eisco Plastic Coplin Jar

Designed to be used for staining and washing slides.



- Polypropylene jar
- Holds 5 slides (or 10 slides back to back)
- Fits 25 × 75mm slides
- Threaded screw top



WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S89498	Plastic Coplin Jar	2.65/Ea

United Scientific™ Spot Plate

Economical, white plastic plates.

- Each plate measures 112 × 92mm
- Supplied in a pack of 12



Cat. No.	Description	Price
S99406	Spot Plate	11.75/Pk

12-Place Spot Plates

Provides students with a porcelain surface for spot testing. The 12 Depression Spot Plates are compact for easy use.

- Contains 12 Depressions
- Porcelain: 115L × 90W × 19mm H
- Polystyrene: 110L × 80W × 20mm H



Cat. No.	Description	Price
S13823	Porcelain	2.85/Ea
S13824	Polystyrene	11.75/Pk

LAB-AIDS™ Chemplates™ Reaction Plate

An inexpensive way to conduct safe and effective laboratory experiments.

Each tray contains 12 large (3mL capacity), numbered cavities, a jumbo-sized cavity, a snap-off cap, and a snap-off measuring spatula (molded into the plastic). Snap-off cap fits snugly onto any of the numbered cavities, creating a highly safe gas-generating chamber.

- Provide a semi-micro environment for conducting a variety of experiments
- Conduct laboratory procedures safely and effectively
- Ideal for overhead-projector use
- High-impact, completely transparent plastic plates eliminate the need for glassware



ORDERING INFORMATION:

Pack of 10

Cat. No.	Description	Price
S194551	Chemplate Reaction Plate	17.25/Pk

Custom-Built Kits for Your Classroom



The Fisher Science Education team is proud to bring you the convenience of custom educational kits for elementary- to college-level instruction.

Visit fishersci.com/customkitting to learn more.

fisher science education
part of Thermo Fisher Scientific

Electrical Supplies

Eisco Connecting Leads

Enables quick temporary electrical connections.

- Alligator clips on both ends
- Great for physics classrooms or labs
- Use for quick temporary electrical connections
- S13982 and S13983 come in packs of 12



Cat. No.	Description	Price
S13982	Black, 4mm	43.75/Pk
S13983	Red, 4mm	43.75/Pk
S13988	Black, 500mm	5.30/Ea
S13989	Red, 500mm	5.30/Ea
S13984	Black, 750mm	4.85/Ea
S13985	Red, 750mm	4.85/Ea

Bare Copper Wire

For general lab use and low voltage hook-ups.

Applications:

- As a fastener
- For electrodes
- To connect circuits
- As a source of copper in electrochemistry experiments



ORDERING INFORMATION:

Comes in 1 lb. spool (454g).

Cat. No.	Gauge	Diameter (English) Inside	Length (English)	Price
S4821A	16 ga	0.0508 in.	126 ft.	27.00/Ea
S4821B	18 ga	0.0403 in.	199 ft.	26.50/Ea
S4821C	20 ga	0.032 in.	315 ft.	29.50/Ea
S4821D	22 ga	0.0253 in.	501 ft.	28.75/Ea
S4821E	24 ga	0.0201 in.	793 ft.	28.50/Ea

Heavy-Duty D Batteries

For low-drain devices or devices that are used infrequently.



Use heavy-duty batteries for long-term applications like:

- Remote controls
- Clocks
- Smoke alarms
- Radios
- Flashlights

Cat. No.	Description	Price
S43923H	D-Cell Battery	8.30/Pk

Eisco 10 Light Emitting Diodes

LEDs with diffused lenses. Maximum voltage 3.0 V D.C. Ideal for use on PCB or panel mount calibrations on a circuit board. LEDs provide a colored light source while using very little energy.

- Standard high quality 5mm LEDs
- Feature colored diffused lenses
- Pack of 10

WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S40929	Red	3.45/Ea
S40930	Green	3.45/Ea
S40931	Yellow	3.45/Pk



Eisco Carbon Resistors

Quality carbon resistors for electrical experiments and general wiring in the laboratory.

- Quality carbon resistors
- Pack of 10
- Perfect for electrical experiments and general wiring

WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S40940	100 Ohms, 0.5 W	3.20/Ea
S40941	470 Ohms, 0.5 W	3.20/Ea
S40942	1000 Ohms, 0.5 W	3.20/Ea



HEADLINE DISCOVERIES:
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AC/DC Variable Power Supply

Handles all power needs between 2V and 12V



- Use the rotary knob to adjust voltage, the rocker switch to turn it on and off, and the toggle switch to reset
- Pair of blue ports will output an alternating current (AC)
- Red and black pair of ports will output a direct current (DC)

Cat. No.	Description	Price
S38991	AC/DC Variable Power Supply	167.00/Ea

Digital Ammeter

Used to measure the current, or amperage (A) flowing through a circuit



Cat. No.	Description	Price
S38994	1.999mA	22.25/Ea
S38995	19.99mA	22.25/Ea
S38993	199.9uA	22.25/Ea
S38996	199.9mA	27.75/Ea
S38997	199.9mA	27.75/Ea
S38998	19.99A	22.25/Ea

Digital Voltmeter

Measures the potential difference, or voltage (V), between two points in a circuit.



Cat. No.	Description	Price
S38999	199.9mV	28.00/Ea
S39001	19.99V	28.00/Ea
S39000	1.999V	28.00/Ea
S39002	199.9V	22.25/Ea

3B Scientific™ True RMS Auto-Ranging Digital Multimeter

Measures AC/DC voltage, AC/DC current, resistance, diode test and continuity plus thermocouple temperature.

- Also, adds capacitance, frequency and duty cycle to the range of measurements possible
- Includes operations manual detailing features



Cat. No.	Description	Price
S05502	True RMS Auto-Ranging Digital Multimeter	98.00/Ea

Compact Multimeter

Compact design, yet full of key features.

- DC/AC voltage and DC current
- Resistance measurement
- Transistor and diode test function
- Full overload protection
- Operates on one 9V transistor battery
- Dimensions: 5L x 2.88W x 1 in.H (12.7 x 7.3 x 2.5cm)

INCLUDES:

- Meter
- Test leads
- Battery
- Instructions



Cat. No.	Description	Price
S47778	Compact Multimeter	20.25/Ea

10A Variable Transformer

Compact, portable, cord-and-plug type unit.

Operates from 120V 50/60Hz input, 0 to 140V output at 10A, controlling up to 1400W of power.

- Illuminated ON/OFF switch
- Housed in a rugged, ventilated, steel enclosure
- Increases output voltage with a clockwise knob rotation

ORDERING INFORMATION:

Dimensions: 7.0 x 4.6 x 5.5 in. (17.7 x 11.7 x 14.0cm); weight: 4.6 lb. (2.1kg).



INCLUDES:

Transformer, three-prong line cord and receptacle, fuse

Cat. No.	Description	Price
S43634	10A Variable Transformer	649.00/Ea

Filtration

fisherbrand Filter Paper Circles

Limited wet strength.†



Coarse Porosity

- Surface: Smooth, open texture
- Applications: Suitable for coarse and gelatinous precipitates

Fine Porosity

- Surface: Smooth, dense texture
- Applications: Excellent retention; suitable for finest particles or precipitates

Medium Porosity

- Surface: Smooth
- Applications: General lab uses

Qualitative-Grade

Cat. No.	Diameter (Metric)	Grade	Flow Rate	Particle Retention	Porosity	Price
S47573B	7cm	P8	Fast, 175mL/min.	>20µm	Coarse	10.50/Pk
S47573C	9cm	P8	Fast, 175mL/min.	>20µm	Coarse	6.45/Pk
S47573E	11cm	P8	Fast, 175mL/min.	>20µm	Coarse	7.50/Pk
S47573D	12.5cm	P8	Fast, 175mL/min.	>20µm	Coarse	9.10/Pk
S47573F	15cm	P8	Fast, 175mL/min.	>20µm	Coarse	10.75/Pk
S47574B	9cm	P5	Medium, 60mL/min.	5 to 10µm	Medium	6.15/Pk
S47571C	11cm	P5	Medium, 60mL/min.	5 to 10µm	Medium	7.50/Pk
S47574D	12.5cm	P5	Medium, 60mL/min.	5 to 10µm	Medium	13.50/Pk
S47574E	15cm	P5	Medium, 60mL/min.	5 to 10µm	Medium	9.90/Pk
S47575E	12.5cm	P2	Slow, 5mL/min.	1 to 3µm	Fine	15.50/Pk

Quantitative-Grade

Cat. No.	Diameter (Metric)	Flow Rate	Particle Retention	Porosity	Price
S47576D	11cm	2.6 sec./100mL	>10µm	Coarse	24.50/Pk
S47576E	12.5cm	2.6 sec./100mL	>10µm	Coarse	22.50/Pk
S47577A	5.5cm	15.7 sec./100mL	2 to 5µm	Medium	25.25/Pk
S47577E	12.5cm	15.7 sec./100mL	2 to 5µm	Medium	22.00/Pk
S47577F	15cm	15.7 sec./100mL	2 to 5µm	Medium	22.00/Pk
S47578C	9cm	76 sec./100mL	>2µm	Fine	14.75/Pk

Eisco Filter Paper

Student quality filter paper.

Pack of 100.



Cat. No.	Diameter (Metric)	Price
S60173A	12.5cm	22.25/Pk
S60172A	11cm	22.25/Pk

Eisco Round Qualitative Filter Paper



For filtering solutions. Feature pure white, smooth finish textural consistency.

- Qualitative white filter paper disks
- Used for filtering liquid solutions
- Smooth uniform texture
- 10 µ pore size
- Medium speed filtration
- Pack of 100
- Diameter: 21.5cm



WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Description	Price
S88830	Round Qualitative Filter Paper	14.00/Ea

Cheesecloth

Good quality for good results.

- For filtering wax and crystal oil analyses
- Also used as heavy dust cloths
- Exceptionally absorbent
- Without starch



ORDERING INFORMATION:

10 square yards per pack.

Cat. No.	Description	Price
S47252	Cheesecloth	9.75/Ea

Eisco Glass Filtration Assembly



For vacuum filtration of tissue culture media, biological fluids, HPCL and other aqueous solutions.

- For use when using a vacuum source to filter liquids into a vessel
- Filter provides an effective filtration of 9.6cm²
- Designed to maximize flow and reduce foaming

Assembly includes:

- 300mL borosilicate glass funnel
- Highly integrated sealed 47mm fritted glass support base
- 1000mL flask
- Aluminium clamp holds the filter funnel and support base properly

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Description	Price
S88322	Glass Filtration Assembly	190.00/Ea

United Scientific™ Rubber Filter Aid

Molded rubber disc.

- Supports a filter crucible or a funnel in the neck of a filter flask
- Bottom of disc seals tightly against lip of the flask
- Inside diameter: 1.3 in. (32mm)
- Outside diameter: 3 in. (76mm)



Cat. No.	Description	Price
S90341	Rubber Filter Aid	7.75/Ea

United Scientific™ Neoprene Filter Adapter Set

Provides an alternative to special size holes in rubber stoppers.

- Set of 7 adapter cones designed to fit Büchner/fritted glass funnels, porcelain filters without headpieces, and for reverse flow cleaning of filter crucibles
- Used to support funnels, Gooch crucibles, filter tubes, and other apparatus in filtration assemblies
- Used individually or nested with adjacent sizes
- Functional even if not tightly fitted around funnel stem
- Pack of 7



Cat. No.	Description	Price
S13106	Neoprene Filter Adapter Set	14.50/Pk

United Scientific™ Filtering Kit

An excellent, faster-working alternative to traditional gravity-based liquid filtration.



Contents:

- 500mL filtering flask
- 90mm porcelain Büchner funnel
- Hand vacuum pump with gauge
- 90mm filter papers (pack of 100)
- Rubber stopper
- Vacuum hose
- Activity guide

Cat. No.	Description	Price
S04535	Filtering Kit	87.00/Ea

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Flasks

AquaPhoenix™ Flask Set

Ideal for laboratory use.



- Glass
- Includes one each of 50, 125, 250, 500 and 1000mL

Cat. No.	Description	Price
S04407	Flask Set	48.50/Pk

Erlenmeyer Flask Set

Perfect for the small lab that needs a variety of sizes.



- Narrow-mouth borosilicate glass flask set
- Five-piece set includes one each of sizes 50mL, 125mL, 250mL, 500mL and 1000mL

Cat. No.	Description	Price
S43013	Erlenmeyer Flask Set	52.25/Cs

PYREX™ Erlenmeyer Flask Set

Five popular sizes in one set.



- Convenient set provides all the sizes you need without purchasing multiple packs
- Set contains one each of 50mL, 125mL, 250mL, 500mL and 1000mL

Cat. No.	Description	Price
S63267	Erlenmeyer Flask Set	59.25/Cs

PYREX™ VISTA™ Erlenmeyer Flasks

Uniform wall thickness provides the proper balance between mechanical strength and thermal shock resistance.

- Narrow mouth
- Approximate graduations in durable blue enamel
- Extra-large marking space

COMPLIANCE:

Designed to ASTM™ E-1404, Type 1.



Cat. No.	Capacity	Price
S76106B	50mL	60.50/Pk
S76106D	250mL	52.50/Pk
S76106E	500mL	33.25/Pk
S76106F	1000mL	62.75/Pk

PYREX™ Erlenmeyer Flasks

Heavy-duty rim and uniform wall thickness.

- Made of Pyrex borosilicate glass
- Designed with heavy-duty rims to reduce chipping
- Provide the proper balance between mechanical strength and thermal shock resistance
- Durable enamel markings with large marking spot



Cat. No.	Capacity	Price
S63268	25mL	77.00/Pk
S63269	50mL	74.75/Pk
S63270	125mL	70.75/Pk
S63271	250mL	70.25/Pk
S63272	300mL	67.75/Pk
S63273	500mL	43.50/Pk
S63274	1000mL	71.00/Pk
S63275	2000mL	35.25/Ea

Eisco Glass Erlenmyer Flasks

Borosilicate glass flasks



- Conical filtering flask with graduations
- Conforms to DIN ISO 1773 standard
- Autoclavable

Cat. No.	Capacity	Price
S23898	50mL - Narrow Neck	32.00/Dz
S27997	100mL - Wide Neck	2.65/Ea
S23899	100mL - Narrow Neck	35.50/Dz
S23901	500mL - Narrow Neck	78.00/Pk

Eisco Narrow-Neck Erlenmeyer Flasks

Erlenmeyer flask made from high quality borosilicate glass. Flasks have a conical shape, narrow neck, and graduations.

Conform to DIN ISO 1773 standard.

- Erlenmeyer flask with graduations
- Made from high quality borosilicate glass
- Conical shape with narrow neck
- As per DIN ISO 1773 standard



Cat. No.	Capacity	Price
S88906	25mL	1.90/Ea
S27996	50mL	2.00/Ea
S15465	100mL	3.20/Ea
S88907	150mL	4.40/Ea
S15469	250mL	5.20/Ea
S15470	500mL	14.25/Ea
S88908	1000mL	24.00/Ea
S88909	2000mL	31.75/Ea
S88910	3000mL	59.00/Ea
S88913	50mL, 100mL, 250mL	8.35/Ea
S88912	50mL, 150mL, 250mL, 500mL, 1000mL	28.75/Ea
S88911	500mL, 1000mL, 2000mL	28.50/Ea

Narrow-Mouth Erlenmeyer Flasks

Economical and versatile; ideal for general laboratory usage.

- Kimax™ KG-33 glass reinforced tops tooled with a rounded finish — contain more glass for maximum mechanical strength
- Thick-walled body has long tapered outside contour to minimize chipping when struck or rubbed together
- Durable white ceramic enamel scales indicate approximate volumes at various levels — useful for measuring and mixing solutions where a high degree of accuracy is not necessary



COMPLIANCE:

Glass meets Type 1, Class A, ASTM™ E-438 standards. Designed to ASTM Specification E1404, Type I, Class 1 specification requirements.

Cat. No.	Capacity	Price
S00140	25mL	58.00/Pk
S00143	125mL	70.75/Pk
S00144	250mL	69.00/Pk
S00145	500mL	42.25/Pk

Eisco Conical Filtering Flask with Integral Side Arm

The borosilicate glass conical filtering flask with integral side arm is ideal for storage, mixing, and transferring of various solutions. The flask is easy to use in any lab with its flat bottom, side arm, narrow neck, and beaded rim.



Cat. No.	Capacity	Price
S15463	250mL	10.75/Ea
S15464	500mL	14.50/Ea
S23918	1000mL	19.75/Ea

Heavy-Wall Filtering Flasks

Made with a heavier wall than a standard Erlenmeyer flask.

- With side tubulation and capacity scale
- Designed to take one atmosphere of vacuum or 29 in. (73.7cm) of mercury
- Sizes 50 through 500mL have side hose connection designed to accept 0.31 in. (7.9mm) I.D. flexible tubing
- Sizes 1000mL and larger accept 0.38 in. (9.66mm) I.D. tubing



COMPLIANCE:

Glass meets Type 1, Class A, ASTM™ E-438 standards. Designed to ASTM Specification E1406, Type II, Class 1 specification requirements.

Cat. No.	Capacity	Price
S00112	50mL	121.00/Pk
S00114	125mL	204.00/Pk
S00116	500mL	200.00/Pk
S00117	1000mL	256.00/Pk
S00118	2000mL	62.50/Cs

PYREX™ VISTA™ Heavy-Wall Filter Flask

With sidearm tubulations and graduated to show approximate capacity.

- Neck finish affords a good fit for rubber stoppers
- Tubulation O.D. on sizes up to 33.81 oz. (1000mL) is 0.39 in. (10mm)
- Pack of 6



COMPLIANCE:

Designed to ASTM™ E-1406, Type 2.

Cat. No.	Capacity	Price
S76108A	250mL	115.00/Pk
S76108B	500mL	145.00/Pk

Eisco Round-Bottom Distilling Flask with 3 Oblique Necks



High quality borosilicate 3.3 glass available in a variety of center and side socket sizes.



- Ground interchangeable joints
- Variety of standard socket sizes available
- Conform to DIN ISO 12394 standard
- Autoclavable

WARRANTY: 1 year limited manufacturer warranty

COMPLIANCE: DIN ISO 12394 standard

Cat. No.	Capacity	Socket Joint	Side Arm Joint	Price
S88880	100mL	24/29	14/23	12.50/Ea
S88881	250mL	19/26	19/26	13.75/Ea
S88882	250mL	24/29	14/23	13.75/Ea
S88883	250mL	24/29	19/26	14.75/Ea
S88884	500mL	24/29	14/23	19.50/Ea
S88885	500mL	24/29	19/26	19.50/Ea
S88886	500mL	29/32	19/26	19.50/Ea
S88887	1000mL	24/29	14/23	23.50/Ea
S88888	1000mL	24/29	19/26	23.50/Ea
S88889	1000mL	29/32	19/26	23.50/Ea
S88890	2000mL	24/29	19/26	44.25/Ea

Eisco Flat-Bottom Boiling Flasks with Narrow Neck



Ideal for dealing with liquids at different temperatures due to their thick-walled design.

- Made from high quality borosilicate glass
- Beaded rim
- As per DIN ISO 1773 standard



WARRANTY: 1 year limited manufacturer warranty

Cat. No.	Capacity	Price
S29428	50mL	2.10/Ea
S29429	100mL	2.65/Ea
S29430	250mL	3.55/Ea
S27995	500mL	5.35/Ea

Eisco Class B Glass Volumetric Flask with Glass Stopper

Feature a single graduation and blue markings.

- Flat bottom design
- Single graduation mark
- Includes fitted glass stopper
- Blue printed markings
- Class B, in compliance with ASTM-E288
- Autoclavable



Cat. No.	Capacity	Price
S23811	25mL	4.45/Ea
S23812	50mL	5.25/Ea
S23813	100mL	6.20/Ea
S23814	250mL	8.40/Ea
S23815	500mL	9.75/Ea
S23816	1000mL	14.25/Ea

Eisco Class B Glass Volumetric Flasks with Polypropylene Stopper

Feature one graduation mark, a fitted chemical resistant stopper, and blue printed markings.

- Made from high quality borosilicate 3.3 glass
- Include chemical resistant polypropylene stopper
- Flat bottom design
- Single graduation mark
- Blue printed markings
- Class B, in compliance with ASTM-E288
- Autoclavable



Cat. No.	Capacity	Price
S13967	25mL	6.65/Ea
S13968	100mL	9.30/Ea
S13969	250mL	13.00/Ea



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Class B Volumetric Flasks with Snap Cap

Calibrated "To Contain."

- Kimax™ KG-33 glass
- Graduation ring blasted on neck, tooled for included polyethylene snap cap
- Enlarged top of the cap protects neck if flask is tipped over
- Pack of 6

COMPLIANCE:

Glass meets Type 1, Class A, ASTM™ E-438 standards. Designed to ASTM Specification E288, Class B, unserialized requirements.



Cat. No.	Capacity	Price
S00135	50mL	90.00/Pk
S00137	250mL	136.00/Pk
S00138	500mL	187.00/Pk

Class B Volumetric Flasks with Polyethylene Snap Caps

Borosilicate glass flasks supplied with snap caps.

COMPLIANCE:

Meet Class B requirements.



Cat. No.	Capacity	Price
S30876	25mL	97.00/Pk
S30872	100mL	192.00/Pk
S30877	250mL	175.00/Pk

PYREX™ VISTA™ Class A Volumetric Flasks

Necks are tooled for standard taper glass stoppers.

- Provide precise volume measurement
- Graduation line is sharp and permanent
- Large blue block letters make the inscription easy to read

COMPLIANCE:

Manufactured to Class A tolerances as established by ASTM™ E-694 for volumetric ware, ASTM E-542 for calibration of volumetric ware, and ASTM E-288 for volumetric flasks.



Cat. No.	Capacity	Price
S76109D	100mL	230.00/Pk
S76109J	2000mL	112.00/Ea

PYREX™ Class A Volumetric Flask with PYREX™ Glass Standard Taper Stopper

Improved lab convenience, broad selection and precise volume measurement as well as being manufactured to Class A tolerances

- Machine blown glass body for strength
- No. 9 stopper
- Easy to read graduations
- Meet ASTM E-694, ASTM E-542 and ASTM E-288
- Representative sample size calibrated in ISO17025 Laboratory



Class A Volumetric Flasks with Snap Cap

Calibrated "To Contain."

- Kimax™ KG-33 glass Class A accuracy but without a serial number
- With polyethylene snap cap

COMPLIANCE:

Glass meets Type 1, Class A, ASTM™ E-438 standards. Designed to ASTM Specification E288, Class A unserialized requirements.



Cat. No.	Capacity	Price
S00129	50mL	156.00/Pk
S00130	100mL	170.00/Pk
S00132	500mL	278.00/Pk
S00133	1000mL	74.75/Ea

Cat. No.	Capacity	Price
S14289	25mL	186.00/Pk
S14290	50mL	199.00/Pk
S14291	100mL	214.00/Pk
S14293	250mL	265.00/Pk
S14294	500mL	329.00/Pk
S14295	1 L	66.50/Ea

Class A Volumetric Flasks

Calibrated "To Contain."

- Kimax™ KG-33 glass Single graduation ring blasted on the neck
- With plug stopcock ground glass stopper and marking spot

COMPLIANCE:

Glass meets Type 1, Class A, ASTM™ E-438 standards. Designed to ASTM Specification E288, Class A unserialized requirements.



Cat. No.	Capacity	Price
S00123	100mL	208.00/Pk
S00120	10mL	241.00/Cs
S00122	50mL	200.00/Pk
S00126	500mL	294.00/Pk
S00121	25mL	204.00/Pk
S00124	200mL	240.00/Pk
S00127	1000mL	76.00/Ea

Eisco Class A Amber Glass Volumetric Flasks with Polypropylene Stoppers



Protect light sensitive chemicals and feature a single graduation mark.

- Amber glass protects photosensitive chemicals
- Includes chemical resistant polypropylene stopper
- Flat bottom design
- Autoclavable

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Capacity	Price
S89463	5mL	7.40/Ea
S89464	10mL	7.40/Ea
S89465	25mL	9.25/Ea
S89466	50mL	9.25/Ea
S89467	100mL	11.00/Ea
S89468	200mL	15.50/Ea
S89469	250mL	15.50/Ea
S89470	500mL	24.00/Ea
S89471	1000mL	35.25/Ea
S89472	2000mL	54.00/Ea

fisherbrand Covered Lead Rings for Flasks

Protect and stabilize expensive glassware with these Vikem™ vinyl-coated lead rings.



- Stabilize glassware immersed in water baths
- Reduces floating, breakage and chemical spills
- Bright red Vikem™ vinyl coating
- Chemical-resistant
- Will not scratch flasks

Cat. No.	Diameter (English) Inner	Diameter (Metric) Inner	For Use With	Price
S90139A	1.6 in.	4.1cm	125 to 500mL Erlenmeyer Flasks	29.00/Ea
S90139B	2 in.	5.1cm	250 to 1000mL Erlenmeyer flasks	31.50/Ea
S90139C	2.2 in.	5.6cm	500 to 2000mL Erlenmeyer flasks	37.75/Ea
S90139D	2.7 in.	7cm	1000 to 4000mL Erlenmeyer flasks	40.75/Ea

Utility Funnels

Lightweight funnels are inexpensive and great for general use.



- Made from polypropylene or high density polyethylene
- Good for pouring thick liquids
- Maximum funnel diameter: 6.38 in. (16.2cm) with very large throat opening
- Pack of 12

Cat. No.	Material	Capacity	Price
S34564	Polypropylene	118.2mL	26.50/Pk

Eisco Funnel Filter



- Borosilicate glass
- 3 in. diameter
- 60° pitch
- Stem: 2.75 in. L

Cat. No.	Description	Price
S27998	Funnel Filter	2.65/Ea

Funnels

SP Scienceware™ Long-Stem Funnel

For use with tall flasks or containers.

- Made from heavy-duty polypropylene
- Smooth walls
- 60° cone angle and long stem
- External ribs prevent airlock
- Steam autoclavable at 121°C (250°F)
- Stem length: 3.06 in. (78mm)
- Top I.D.: 2.7 in. (70mm)
- Stem I.D.: 7mm



ORDERING INFORMATION:
Sold in packs of six.

Cat. No.	Description	Price
S345101	75mL Long-Stem Funnel	30.75/Pk

Sintered Glass Funnels

Quality borosilicate glass funnel with porous filter plate.

- Removable porous filter plate for cleaning and reuse
- Allows fine filtration without use of filter paper



Cat. No.	Capacity	Porosity	Price
S04821	35mL	2, Medium	11.25/Ea
S04821A	35mL	3, Fine	11.25/Ea
S04821B	80mL	2, Medium	10.50/Ea
S04821C	80mL	3, Fine	10.50/Ea
S04821D	125mL	2, Medium	21.25/Ea
S04821E	125mL	3, Fine	14.00/Ea

Eisco Glass Powder Funnels



Designed with 60° angle stems are ideal for transferring powder reagents.

- Made from high quality borosilicate 3.3 glass
- Ideal for transferring powder reagents
- 60° angle stem
- Autoclavable



WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Diameter Top	Height	Price
S89482	45mm	12.7cm	3.20/Ea
S89483	55mm	12.7cm	3.20/Ea
S89484	75mm	12.7cm	4.65/Ea
S89485	85mm	7.6cm	5.30/Ea
S89486	100mm	10.2cm	5.80/Ea
S89487	120mm	10.2cm	11.00/Ea

Eisco Glass Büchner Funnels



Glass Büchner funnels with plain stems and G-3 sintered disks

- Made from high quality borosilicate glass
- Includes G-3 sintered disk (15-40 microns)
- Autoclavable



WARRANTY:

1 year limited manufacturer warranty

Cat. No.	Capacity	Diameter Top	Price
<i>Plain Stems</i>			
S89264	500mL	9cm	49.25/Ea
S89265	1000mL	12cm	99.00/Ea
<i>Jointed Stems</i>			
S89266	35mL	14/23	12.25/Ea
S89267	80mL	14/23	18.50/Ea
S89268	200mL	19/26	27.25/Ea
S89269	500mL	19/26	61.50/Ea
S89270	1000mL	19/26	172.00/Ea

Short Stem Funnels

58° angle provides faster, more effective filtering.



Cat. No.	Capacity	Diameter Stem	Diameter Top	Length Stem	Price
S34402	36mL	0.8cm	5.5cm	6.3cm	120.00/Pk
S34404	90mL	0.8cm	7.5cm	7.5cm	177.00/Pk
S34405	150mL	0.9cm	9cm	9.7cm	84.00/Pk

Separatory Funnels with PTFE Stopcock

Available in a variety of sizes.

- Sold individually
- Available in 250mL, 500mL and 1000mL sizes



Cat. No.	Capacity	Price
S04820	250mL	23.25/Ea
S04820A	500mL	378.00/Cs
S04820B	1000mL	525.00/Cs

Glass Funnel

Designed specifically for buret filling.

- Top diameter: 1.5 in. (40mm)
- Stem length: 1.37 in. (35mm)
- Overall length: 2.5 in. (65mm)
- Pack of 12



Cat. No.	Description	Price
S32202	Buret Funnel.	12.00/Ea

United Scientific™ Separatory Funnels

Provide excellent clarity and strength.

- Pear-shaped polypropylene separating funnel
- Leakproof threaded screw cap
- Polypropylene stopcock, fitted with a self-lubricating PTFE plug, push fitted to the stem of the funnel
- Not graduated



Cat. No.	Capacity	Diameter (Metric) Top	Price
S90334C	500mL	90mm	31.00/Ea
S90334B	250mL	75mm	28.75/Ea

Eisco Dropping Funnel with Glass Key Stopcock



High quality borosilicate 3.3 glass cylindrical dropping funnels with glass key stopcocks and interchangeable polypropylene stoppers

- Ungraduated Cylindrical shape
- Used for titrations and neutralizations
- Funnel and stopper both autoclavable

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Capacity	Stopper Number	Price
S89271	50mL	19/26	11.25/Ea
S89272	100mL	19/26	12.25/Ea
S89273	250mL	29/32	13.75/Ea
S89274	500mL	29/32	17.25/Ea
S89275	1000mL	29/32	37.00/Ea

Eisco Squibb Separatory Funnel with Glass Key Stopcock



High quality borosilicate 3.3 glass funnel with glass key stopcocks and interchangeable polypropylene stoppers

- Pear shaped separatory funnel
- Ungraduated
- Used to separate different liquids
- Funnel and stopper both autoclavable

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Capacity	Stopper Number	Price
S89281	100mL	19/26	12.00/Ea
S89282	250mL	19/26	20.25/Ea
S89283	500mL	24/29	15.50/Ea
S89284	1000mL	29/32	28.00/Ea
S89285	2000mL	29/32	24.75/Ea

Eisco Dropping Funnel with Rotaflow Stopcock



High quality borosilicate 3.3 glass funnel with screw cap Rotaflow stopcocks and interchangeable polypropylene stoppers

- Ungraduated Cylindrical shape
- Screw cap Rotaflow stopcock
- Used for titrations and neutralizations
- Funnel and stopper both autoclavable
- Do not autoclave Rotaflow screw cap

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Capacity	Stopper Number	Price
S89276	50mL	19/26	7.40/Ea
S89277	100mL	19/26	7.90/Ea
S89278	250mL	29/32	9.00/Ea
S89279	500mL	29/32	11.25/Ea
S89280	1000mL	29/32	22.25/Ea

Eisco Squibb Separatory Funnel with PTFE Key Stopcock



High quality borosilicate 3.3 glass funnel with PTFE key stopcocks and interchangeable polypropylene stoppers

- Pear shaped separatory funnel
- Used to separate different liquids
- Funnel and stopper both autoclavable

WARRANTY:

1 year limited manufacturer warranty



Cat. No.	Capacity	Stopper Number	Price
<i>Ungraduated</i>			
S89286	50mL	14/23	23.75/Ea
S89287	100mL	19/26	21.50/Ea
S89288	250mL	19/26	26.00/Ea
S89289	1000mL	29/32	33.50/Ea
S89291	2000mL	29/32	39.50/Ea
<i>Graduated</i>			
S89290	1000mL	29/32	33.50/Ea
S89292	2000mL	29/32	39.50/Ea

Hydrometers

Universal Hydrometer

Ideal for specific gravity experiments.



- Specific gravity range: 0.700-2.000, measured in 0.010 intervals
- 14.9 in. (38cm) long with a metal ballast

Cat. No.	Description	Price
S30449	Hydrometer	7.75/Ea

SP Scienceware™ Durac™ Specific Gravity/Relative Density Plain Form Hydrometer for Liquids Heavier Than Water

Commonly used in industries such as food and beverage, chemical, pharmacology, transportation, refrigeration and more

- Lead free ballast and glass
- Individually serialized
- Temperature standardization: 60°F (15°C)

Storage:

Plain form hydrometers should be stored in a clean, dry, safe place. They should not be subjected to extreme temperatures.

ORDERING INFORMATION:

Should you require an individual Hydrometer Calibration Report, factory calibrated hydrometers or custom calibration services are available.

CERTIFICATIONS:

Packaged with a multi-language (English, French, German, Italian, Portuguese, and Spanish) Statement of Accuracy indicating accuracy traceable to NIST. Hand inspected by U.S. quality team in exclusive triple accredited/registered ISO/IEC 17025:2005 and A2LA Accredited Calibration Laboratory (Cert 2448.01); internationally recognized and accepted by the signatory economies of the ILAC/MRA and located in ISO 14001:2004 Environmental Management System registered facility.



SP Scienceware™ Durac™ Specific Gravity/Relative Density Plastic Plain Form Hydrometer

Ideal in situations where rough handling or contamination could be an issue, such as in the food or beverage industries.

- Made from optical quality polycarbonate material
- Durable and shatterproof
- Made in USA
- Measures specific gravity/relative density (g/cm³) of a variety of liquids from 0.920 to 1.080
- Easy to read black scale on yellow back to help avoid eye fatigue
- 300mm (12 in.) long
- Lead free ballast
- Individually serialized
- Temperature standardization: 15°C (60°C)

Certifications:

Hydrometers are made and hand inspected by U.S. quality team in exclusive triple accredited/registered ISO/IEC 17025:2005 and A2LA Accredited Calibration Laboratory; internationally recognized and accepted by the signatory economies of the ILAC /MRA and located in ISO 14001:2004 Environmental Management System registered facility.

ORDERING INFORMATION:

Should you require an individual Hydrometer Calibration Report, factory calibrated hydrometers or custom calibration services are available.

CERTIFICATIONS:

Packaged with a multi-language (English, French, German, Italian, Portuguese, and Spanish) Statement of Accuracy indicating accuracy traceable to NIST.



Cat. No.	Description	Price
S71794	Durac SG/RD Plain Form Hydrometer	89.00/Ea

Cat. No.	Specific Gravity Range	For Use With	Accuracy	Increments	Price
S02703	1.000 to 1.070	For Liquids Heavier Than Water	±0.002	0.001	23.50/Ea

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MAKE IT AMAZING!
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fisherbrand Durac™ Compact Sling Psychrometer

Measures relative humidity with weather bureau-type wet and dry bulb.

- Organic liquid filled thermometers with white back glass
- Mounted in a pocket sized self contained plastic case designed with a built in slide rule/convert wet and dry bulb readings/relative humidity
- Eliminates the need for calculating tables
- Temperature range: 20° to 120°F
- Divisions: 1°F
- Accuracy: 1°F
- Length: 8.3 in. (210mm)



Cat. No.	Description	Price
S02006*	Psychrometer	112.00/Ea

Labware Kits

Fisher Science Education™ Polypropylene Labware Set

20-piece kit.



- (1) 100mL beaker, (1) funnel, (3) plastic test tubes
- (1) 250mL beaker, (4) reagent bottles, (6) pipets
- (1) 10mL graduated cylinder, (1) dropping bottle, (1) plastic box with lid
- (1) 100mL graduated cylinder, (1) 250mL wash bottle

Cat. No.	Description	Price
S90310A	Labware Set	30.00/Pk



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Fisher Science Education™ Economy Polypropylene Labware Starter Set

Set contains 16 pieces.

- Beakers: Two (2) each of 100, 250, 500 and 1000mL
- Cylinders: Two (2) each of 100, 250, 500 and 1000mL



Cat. No.	Description	Price
S02650	16 Pieces Starter Set	71.25/Ea

Fisher Science Education™ Extended Science Classpack and Measure Set

40 pieces of labware.

- Six each polypropylene beakers (100, 250, 500, 1000mL)
- One each polypropylene cylinders (10, 25, 50, 100, 250, 500, 1000mL)
- Two each polypropylene cylinders (100, 250, 500, 1000mL)
- One each beakers with handles (250 and 500mL)



Cat. No.	Description	Price
S02651	40 Pieces Extended Science Classpack and Measure Set	134.00/Ea

Magnifiers

Eisco Reading Glass Magnifiers

Three sizes for quick, convenient magnification.

- Chrome-plated metal frames with plastic handles
- Packed in cardboard box



Cat. No.	Magnification	Dimensions (L x W x H)	Weight (English)	Price
S95954	2.25x	7.4 x 6.2 x 3.14 in. (19 x 16 x 8cm)	2.2 lb.	10.75/Ea
S95955	2.5x	7.8 x 7 x 6.2 in. (20 x 18 x 16cm)	2.9 lb.	13.00/Ea
S95953	3x	6.2 x 6.2 x 2.75 in. (16 x 16 x 7cm)	1.47 lb.	11.25/Ea

United Scientific™ Clear Plastic Magnifier

Features dual lenses of 3X and 6X magnification.



- Length: 4.5 in. (11cm)
- Magnification: 3X, 6X
- Diameter: 50mm (3X lens); 20mm (6X lens)

Cat. No.	Description	Price
S19230C	Clear Plastic Magnifier	1.10/Ea

United Scientific™ Plastic Triple Magnifier

Three separate magnifying lenses.



- Molded plastic
- Magnification: 2X, 6X and 8X
- Overall length: 4 in. (10cm)

Cat. No.	Description	Price
S90346	Plastic Triple Magnifier	1.60/Ea

Dual Hand Lens

Versatile.

- 3x and 5x magnifiers
- 0.75 and 1.5 in. diameter lens



Cat. No.	Description	Price
S93920	Dual Hand Lens	1.10/Ea

Microplates

AquaPhoenix™ 24-Well Microplates

Ideal for microchemistry experiments.

- Clear acrylic
- Measure 3.15 × 5.12 in. (8 × 13cm)
- Durable and easy to clean



Cat. No.	Quantity	Price
24-Well Plates		
S193842	6 Pack	46.75/Pk
S193843	12 Pack	81.00/Pk
96-Well Plates		
S193841	12 Pack	54.50/Pk
S19384	6 Pack	38.75/Pk

AquaPhoenix™ Dual Plate Reaction Plate



This innovative plate features 48 small well plates and 12 large well plates. It's perfect for microscale applications.

Cat. No.	Description	Price
S193844	Dual Reaction Plates	153.00/Pk

Eisco 12-Well Spot Plate

To perform reactions on small amounts of material. Made of high-density polyethylene.



- Bright white color allows easy of use to view reactions
- Wall thickness: 1.5mm
- Wells hold approximately 1.5mL

Cat. No.	Description	Price
S13973	12-Well Spot Plate	2.70/Ea

Notebooks and Writing Supplies

Laboratory Research Notebook

A functional, economical and professional lab resource.

- Carbonless duplicate pages are perforated, while the original remains as a permanent record
- Provides detailed instructions on keeping a laboratory notebook
- Reference tables and charts cover genetic code, amino acids, solutions, buffers, periodic chart and more
- Includes information on common solutions and measurement conversion factors
- Laminated, water-resistant and side-bound, with fold-out flap



Recycled Assorted Color Construction Papers

All-purpose classroom art paper, contained in assorted packs of five sheets each of 10 popular colors.

Blended sheet contains 75% groundwood and 25% sulphite to provide clean cutting and excellent folding.



- 100% total recycled content
- 0% post-consumer recycled content
- Acid-free
- Blended sheets
- Assorted color; comes in light blue, blue, yellow, orange, red, pink, green, groundwood white, brown and black colors
- 12 x 18 in.

Cat. No.	Description	Price
S90290	Laboratory Research Notebook;	17.70/Ea

Cat. No.	Description	Price
S98364	Recycled Construction Paper	6.10/Pk

Thermo Scientific™ Laboratory Notebooks

Space for dates and signatures, record-keeping instructions, table of contents and more.



- Sewn-in paper pages
- Waterproof polyethylene cover
- Size: 8.5 x 11 in. (21.6 x 27.9cm)
- Page count: 100

Cat. No.	Color	Grid Type	Price
S40525	Burgundy	3 horizontal lines per in.	37.00/Ea
S40526	Forest Green	6mm Grid	35.00/Pk
S40527	Burgundy	5mm Grid	35.00/Ea
S40524	Forest Green	6mm Grid	35.00/Ea

fisherbrand Marking Pens

Quick-drying ink has no unpleasant odor.

- Fast drying—highly resistant to abrasion and water
- Designed to write on cold and damp surfaces as easily as they write on dry surfaces
- Will not smear when subjected to water or alcohol during normal use
- Ink is permanent on plastic, wood, and ceramic
- Washes off glass, metal, or porcelain surfaces



ORDERING INFORMATION:

Sold in packs of 10

Cat. No.	Description	Price
S32179	Black	28.75/Pk
S32180	Blue	28.75/Pk
S32181	Red	28.75/Pk

Pipets

Edvotek™ Micropipetting Basics

Pipetting is a critical skill necessary for the accuracy that is essential in scientific experiments.

- Demonstrate the use of micropipets
- Prepare various dye mixtures and deliver mixture to the pipet card™
- Practice new skills by loading samples onto an agarose gel



INCLUDES:

Colored dye samples, pipet card, instructions and study questions

Cat. No.	Description	Price
S68632	Micropipet Basics	67.00/Ea

fisherbrand Elite Pipette Kit

Kit provides a wide range of pipettes for multiple applications

- Four popular pipette sizes (0.2-2µL, 2-20µL, 20-200µL, 100-1000µL) and stand
- Compatible with universal fit pipet tips



Cat. No.	Description	Price
S35876	Elite Pipette Kit	1104.00/Cs

Biohit™ mLINE™ Pipette Multipack

Replenish or set up a new pipetting station. Biohit™ mLINE™ Pipette Multipacks conveniently combine a set of mLINE mechanical pipettes with matching tip trays and useful accessories.

- Ideal for renewing an existing pipette collection or setting up a new pipetting station
- Includes a linear pipette rack, calibration tool, tube opener and color-coding caps

mLINE™ mechanical pipettes

- Offer excellent ergonomics, performance, precision and safety in manual pipetting
- Requires exceptionally light pipetting and tip ejection forces
- Specifically designed to prevent Repetitive Strain Injury (RSI) in repetitive pipetting
- Minimized risk of contamination with Safe-Cone Filters and full autoclavability
- Increased safety with volume lock, preventing accidental volume changes while pipetting

Optifit Tips single trays

- Designed for the best possible fitting and sealing for the highest possible accuracy and precision
- Tips are RNase, DNase and endotoxin free and compliant with ISO 9001 and ISO 13485
- Environment-friendly materials and fully autoclavable to reduce waste



INCLUDES:

3 pipettes (20µL, 200µL and 1000µL) with 3 boxes of Optifit Trays (2 × 200µL and (1) 1000µL), linear stand

Cat. No.	Description	Price
S35895	Pipette Multipack	980.00/Ea

fisherbrand Elite™ Multichannel Pipetters

New, improved ergonomic design provides newly designed finger rest and index finger and hand support for maximum comfort

- Fully autoclavable - entire pipetter can be steam autoclaved
- Soft-touch tip ejection—a gearing mechanism reducing tip ejection force up to 50%
- Ergonomic comfortable lightweight handle - comfortable grip and effortless tip attachment
- Optimal fit with SureOne pipetter tips - best pipetting performance
- Super blow-out piston - creates 150% bigger air push than conventional piston for delivery of the micro size drops
- 8- and 12-channel pipetters with volume range of 1 up to 300µL
- Extremely low plunger forces - work longer without fatigue and reduce the risk of RSI



Cat. No.	Volume Range	Number of Channels	Price
S98638A	1 to 10µL	8	694.00/Ea
S98639A	5 to 50µL	8	687.00/Ea
S98640A	30 to 300µL	8	694.00/Ea
S98642A	5 to 50µL	12	864.00/Ea
S98643A	30 to 300µL	12	901.00/Ea

MiniFIX™ Micropipets

Ideal in schools for routine applications where speed and precision are required.



- Compact design
- Single blister packed, with calibration and performance certification
- Push-button is color-coded for easy identification; volume is also printed on product
- Accommodate all common tips
- Good for approximately 5000 pipettings
- Length: approx. 5.12 in. (13cm)

Cat. No.	Accuracy	Volume	Price
S95713	±1%	10µL	33.00/Ea
S95714	±0.5%	20µL	33.00/Ea
S95721	±0.3%	1000µL	33.00/Ea

Edvotek™ Variable Micropipets

Automatic tip ejector makes operation fast and convenient

EDVOTEK™s line of Variable Micropipets are smartly designed with volumes spanning 0.1 to 5000 µl. The contoured grip, lightweight and low force design, and large volume display make them easy-to-use. Sample volumes are selected by twisting the top and sample delivery utilizes standard micropipet tips. Each micropipet is fully autoclavable and calibratable. Make your laboratory experience authentic with these durable micropipets backed by a lifetime warranty.



INCLUDES:

- Service wrench
- Instructions

Cat. No.	Description	Price
S90243A	0.1 to 2.5µL	231.00/Ea
S90243B	0.5 to 10µL	231.00/Ea
S90243C	2 to 20µL	231.00/Ea
S90243D	5 to 50µL	231.00/Ea
S90243E	10 to 100µL	231.00/Ea
S90243F	20 to 200µL	231.00/Ea
S90243H	100 to 1000µL	231.00/Ea
S90243K	1000 to 5000µL	231.00/Ea

Edvotek™ Fixed Volume MiniPipets

Easy-to-use, precise operation and ergonomic design

Color coded, fun & cost effective micropipets which use standard micropipet tips. No need to calibrate and impossible to measure the wrong volume!



WARRANTY:

Lifetime

Cat. No.	Description	Price
S90244A	10µL	19.75/Ea
S90244B	20µL	19.75/Ea
S90244E	35µL	19.75/Ea
S90244F	40µL	19.75/Ea
S90244G	50µL	19.75/Ea
S90244H	75µL	19.75/Ea
S90244J	100µL	19.75/Ea
S90244K	200µL	19.75/Ea

fisherbrand Standardization Pipet Tips

Eliminate the need to buy pipetter-specific tips.

- Pliable top opening allows better fit on different types of pipetters
- Lower costs by reducing the number of redundant products
- Natural color
- Bulk packed



Cat. No.	Length (English)	Length (Metric)	Volume	Price
S98754A	2 in.	5cm	0.1 to 200µL	55.25/Pk
S98754B	3.4 in.	8.7cm	200 to 1000µL	85.00/Pk

Eisco Class A Volumetric Pipet

- Borosilicate glass
- 0.030 tolerance
- Class A glass
- Individually wrapped
- 25mL



Cat. No.	Capacity	Price
S28003	Class A Volumetric Pipet	4.00/Ea

Class A Volumetric Pipets

Large, capacity numerals on the bulb.

- Calibrated to deliver
- 51 expansion borosilicate glass
- Tempered tops and tips
- Color-coded for easy identification
- Unserialized
- Reusable, chemical-resistant
- Hold in vertical position without restricting the outflow



COMPLIANCE:

Designed from ASTM™ Specification E969, Class A requirements.

Cat. No.	Capacity	Color Code	Tolerance	Length	Price
S00154	1mL	Blue	±0.006mL	31.5cm	108.00/Cs
S00155	2mL	Orange	±0.006mL	34.5cm	108.00/Cs
S00156	5mL	White	±0.01mL	37.5cm	108.00/Cs
S00157	10mL	Red	±0.02mL	40.9cm	124.00/Cs

Edvotek™ Micropipet Tips

Available in a variety of volumes and formats



- Includes: Ultra, Yellow, Blue, Fine tip and Jumbo micropipet tips

Cat. No.	Volume	Format	Price
S06688	0.5 to 10µL	Bag of 1000 tips	62.00/Ea
S06689	1 to 200µL	2 racks of 96 each	20.75/Pk
S06690	1 to 200µL	Bag of 1000 tips	62.00/Ea
S06692	200 to 1000µL	Bag of 1000 tips	67.50/Ea
S06693	1000 to 5000µL	Bag of 100 tips	33.75/Ea

Eisco Serological Glass Pipettes

- Research grade
- Calibrated for delivery
- Last drop expelled by blowing
- Accuracy as per Class A
- Color coded
- As per DIN ISO 835 standard



Cat. No.	Capacity	Graduations	Price
S28004	1mL	0.1mL	3.15/Ea
S28005	2mL	0.2mL	3.55/Ea
S28006	5mL	0.05mL	3.55/Ea
S28007	10mL	0.01mL	4.00/Ea

Disposable Pipets

Non-sterile transfer pipets.



- Made of low-density polyethelene
- Graduated to 3mL, 0.5mL divisions—additional 4mL capacity in bulb

Cat. No.	Description	Price
S304679	Disposable Pipets	38.00/Pk

Polyethylene Dropping Pipets

Disposable polyethylene droppers with tapered tips and bellows-type bulbs.



- Made of non-wetting material
- Give excellent drop formation
- Deliver 30 to 35 drops/mL
- Easy to clean and extra safe

Cat. No.	Capacity	Length (Metric)	Price
S18752	5.0mL	18.73cm	58.75/Cs
S18751	1.5mL	13.66cm	35.50/Cs

fisherbrand Disposable Graduated Transfer Pipettes

Ideal for hematology, urinalysis, chemistry and blood banking — anywhere there is a need for quick, safe transfer of fluids.

Put an end to matching rubber bulb with glass pipette. Since entire unit is disposable, these pipettes prevent cross-contamination to samples and reduce airborne contamination to personnel. Molded in one piece from unbreakable, see-through low-density polyethylene to eliminate the hazards of broken glass and exposure to infectious materials.



- 5.8mL capacity with 0.25mL graduations
- Draw 3.4mL per squeeze
- Nonsterile
- 500 pack
- Inert to biological fluids and most acids
- One squeeze draws from 2.0 to 3.3mL (depending on style used)

Cat. No.	Description	Price
S05014	Disposable Graduated Transfer Pipettes	59.25/Pk

Thermo Scientific™ Disposable Transfer Pipets

Chemically inert, polyethylene pipets.

- Unbreakable, one-piece plastic pipets
- One squeeze draws 1.5 to 3.5mL (depending on style used)
- Deliver repeatable drop sizes
- Can be sealed and used to store small amounts
- Length: 5.9 in. (15cm)



Cat. No.	Capacity	Description	Material	Price
S304674	2mL	Graduated	PE	49.25/Pk
S304671	5mL	Standard	LDPE	18.00/Pk
S304672	4.25mL	Thin Stem	LDPE	26.25/Pk
S304673	7mL	Jumbo Bulb	LDPE	24.00/Pk

fisherbrand Disposable Soda Lime Glass Pipets

Ideal for transferring samples to sample cups and for drop counting.

- Carton top folds back — tilts carton into convenient dispensing position
- Tip openings range from 0.80 to 1.20mm
- Top and tip free of sharp edges
- Can be cotton plugged (plugs not included)



Cat. No.	Length (English)	Length (Metric)	Price
S67051	9 in.	15.24cm	28.25/Pk
S67050	5.75 in.	14.6cm	22.00/Pk

SP Scienceware™ Fast-Release Pipette Pump™ II Pipetters

Includes a rapid release valve for quick dispensing.

- Rotate the knurled thumb wheel to aspirate liquid to the desired volume
- Apply light pressure to the fast release lever to rapidly dispense
- Rotate the thumb wheel for gradual dispensing
- Glass or plastic pipettes are easily inserted into a unique collar with stabilizing fingers for a secure hold
- Sizes are color coded by size for easy identification
- Can be disassembled for cleaning



Cat. No.	Color	Capacity	Price
S32281F	Blue	Pipets up to 2mL	41.00/Ea
S32282F	Green	Pipets up to 10mL	42.00/Ea
S32283F	Red	Pipets up to 25mL	59.00/Ea

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SP Scienceware™ Pipette Pump™ Pipetter

Provides safe, accurate and trouble-free pipetting. Bel Art™ SP Scienceware™ Pipette Pump™ Pipettors utilize an easy-to-use one-handed operation.

- Pipettes fit smoothly into its flexible tapered chuck
- Thumbwheel on side is rotated for precision aspirating or dispensing
- Plunger may be pressed for quick emptying
- Resistant to acids and alkalis
- Disassemble all parts for cleaning and before autoclaving at 121°C (250°F) for 20 min.; chuck should not be autoclaved
- Replacement Silicone Rubber Chuck and Washers are available



Cat. No.	Color	Volume (Metric)	Price
S35821	Green	10mL	49.50/Ea
S35872	Red	25mL	65.25/Ea

Pipette Pump™ III Pipettors

Easy to use for a longer period of time.

Ergonomic design enhances comfort, utility and dispensing precision while helping to reduce the risk of injury from repetitive and awkward pipetting motions.



- Lightweight, one-handed operation minimizes strain on the hand and wrist
- Fast release trigger dispenses the entire pipette contents
- Optimally located thumb wheel easily rotates for precision aspirating or dispensing, down to a volume of one drop at a time — all while using a relaxed grip
- Compact design adds only 15.2cm (6 in.) to the pipette length allowing use in fume hoods and controlled environment glove boxes
- Self-stabilizing collar inside the silicone chuck holds either glass or plastic pipettes
- Resistant to acids, alkalis and most solvents; can be disassembled for cleaning
- Overall length: 17.1cm (6.75 in.)

Cat. No.	Color	For Use With	Price
S90142A	Blue	2mL	32.75/Ea
S90142B	Green	10mL	32.75/Ea
S90142C	Red	25mL	44.25/Ea

Pipet Filler

Fits pipets up to 50mL.

- Chemical-resistant rubber
- Expel air by pressing valve on top of the bulb
- Draw liquid up by pressing valve on stem
- To release, press valve on side of the stem



Cat. No.	Color	Material	Price
S32244	Black	Rubber	24.75/Ea
S32245	Red	Rubber	24.75/Ea

Flip Safety Pipetting Ball

This patented ball fits pipets up to 50mL.

- Press on the bulb to evacuate
- Press on the up arrow to intake solution
- Drain by pressing on the down arrow
- Top valve can be removed and reinserted for easy cleaning of the inside



Cat. No.	Description	Price
S32247	Flip safety pipetting ball	14.25/Ea
S32246	Assorted	27.50/Ea

fisherbrand Natural Rubber Bulbs

Replacement bulbs for dropping bottles, medicine droppers and small pipets.

- Made of natural rubber, natural color
- 2mL capacity, 52mmL × 13mm OD (6mm hole dia.)
- 1mL capacity, 43mmL × 13mm OD (5mm hole dia.)
- Designed for use with Pasteur pipettes, small pipettes, and medicine droppers
- Pack of 72



Cat. No.	Volume (Metric)	Price
S32324	1mL	32.00/Pk
S32325	2mL	32.00/Pk

fisherbrand Polystyrene Disposable Standard Serological Pipets

Packaged for access to several pipets at a time without contaminating unused pipets.

- Negative graduations on all sizes
- Ascending and descending graduations on all but the 1 and 2mL sizes
- Color-coded pipets permit easy identification by size
- Outer packaging is recyclable
- Designed from ASTM™ E 934
- Conform to ASTM E 1380 for color coding



Cat. No.	Capacity	Color Code	Negative Graduations	Graduations	Price
S68228A	1mL	Yellow	0.4mL	0.01mL	20.25/Pk
S68228B	2mL	Green	0.6mL	0.01mL	26.75/Pk
S68228C	5mL	Blue	2mL	0.1mL	10.50/Pk
S68228D	10mL	Orange	3mL	0.1mL	34.50/Pk
S68228E	25mL	Red	10mL	0.2mL	17.00/Pk
S68228F	50mL	Purple	10mL	0.5mL	44.00/Pk

Racks and Drying Supports

fisherbrand Pipetter Holders

Choice of 3-, 4- or 6-place clear acrylic and 4- or 6-place HDPE holders.

- Accommodate most brands of pipettors
- Upper racks have 1.02 in. (26.1mm) slots
- Lower racks have 0.625 in. (16mm) slots



ORDERING INFORMATION:

Additional pipetter racks sizes available. To order, contact your Fisher Scientific Customer Service Representative.

Cat. No.	Positions	Material	Color	Price
S04394A	4	Acrylic	Transparent	71.00/Ea
S04394B	6	Acrylic	Transparent	115.00/Ea
S04394C	4	HDPE	White	71.00/Ea
S04394D	6	HDPE	White	90.00/Ea

Eisco Buret Rack

Excellent solution for storing and protecting burets in the lab.

- Natural wood buret rack accepts 12 burets of 50mL capacity, up to 0.75 in. dia. (2cm)
- Design allows burets to be fitted in and removed very easily
- Can be mounted on lab wall



ORDERING INFORMATION:

Dimensions: 32 x 3 x 23.5 in. (81.3 x 7.6 x 59.6cm)

Cat. No.	Description	Price
S04316	Buret Rack	49.00/Ea

SP Scienceware™ Non-Electric Benchtop Glassware Drying Racks

For space- and budget-conscious labs.

Movable V-channel pegs can be repositioned to hold a variety of labware, including beakers, flasks, bottles, test tubes and cylinders.



- High storage capacity

Cat. No.	Depth	Positions	Tiers	Height	Price
S93964	5 in.	19	1	9.4 in.	124.00/Ea
S93961	7 in.	38	2	15.4 in.	266.00/Ea
S93962	7 in.	57	3	22.4 in.	333.00/Ea
S93963	10 in.	38	1	8.4 in.	239.00/Ea
S93960	10 in.	76	2	15.4 in.	365.00/Ea
S93970	10 in.	114	3	22.4 in.	525.00/Ea

Glassware Drying Rack

Perfect for large teaching labs.

- Holds 90 pieces of glassware of all kinds with no risk of breakage
- Made of heavy steel wire with welded joints and black vinyl coating
- Use lying down, mounted on wall or standing upright
- Heavy drain-pan of rustproof metal covers entire bottom and back
- Dimensions: 7.13D x 18.5W x 19 in.H (18.11 x 46.99 x 48.26cm)



Cat. No.	Description	Price
S47855	Glassware Drying Rack	186.00/Ea

Fisher Science Education™ Polypropylene 4-Way Tube Rack

Create as large of a rack as you need by linking together multiple racks.



- 50mL Tubes, 4 Wells (30mm dia.), 15mL Tubes, 12 Wells (17.5mm dia.), 0.5mL Tubes, 32 Wells (8.2mm dia.), 1.5/2.0mL Tubes, 32 Wells (11.6mm dia.)
- Constructed of polypropylene
- Autoclavable
- Pack of 5

ORDERING INFORMATION:

Dimensions: 6.8 × 3.7 × 2 in. (17.4 × 9.5 × 5.2cm). Pack of five.

Cat. No.	Color	Price
S97680	Blue	64.00/Pk
S97679	Natural	64.00/Pk
S97685	Assorted	64.00/Pk

Custom-Built Kits for Your Classroom



The Fisher Science Education team is proud to bring you the convenience of custom educational kits for elementary- to college-level instruction.

Visit fishersci.com/customkitting to learn more.



United Scientific™ Plastic Test Tube Rack

Choose a versatile test tube rack. The United Scientific Supplies Plastic Test Tube Rack features four sides, for 12mm to 25mm diameter test tubes.

- All four sides can be used interchangeably for 12mm through 25mm diameter tubes
- Rack features a total of 88 spaces on its four sides, 8 for 50mL, 20 for 20mL, 24 for 15mL, and 40 for 12mL tubes



Cat. No.	Description	Price
S23992	Test Tube Rack	18.25/Ea

Thermo Scientific™ Nalgene™ Unwire™ Half-Racks

Space-efficient half-racks are ideal for use in incubators, refrigerators, freezers and under fume hoods.

Fit easily in ice or water baths without floating.

- Made of durable ResMere™ performance plastic
- Withstand most lab chemicals and temperatures up to 121 °C (249.8 °F)
- Repeatedly autoclavable
- Each rack holds 36 tubes



Cat. No.	Color	Holds	Price
S478322	Blue	13mm Tubes	16.75/Ea
S478323	White	16mm Tubes	89.00/Ea

fisherbrand™ 20-Well Tube Rack

Interlock racks for customized storage. Fisherbrand™ 20-Well Tube Racks have sturdy, easy-to-use connections on each side. User-friendly design makes it easy to identify and remove microtubes. Constructed of durable, autoclavable polypropylene.

- Interlock multiple racks to increase tube storage
- Racks lock together on either side
- Easily remove tubes using the "hold-it" finger slot on the front of the rack
- Large molded coordinates for easy tube identification
- Bi-level rack enables easy tube label identification
- 213 × 90 × 50mm
- Pack of 6
- Blue



Cat. No.	Description	Price
S43127	20-Well Tube Rack	49.00/Pk

Eisco In-Line Test Tube Rack

Keeps your test tubes handy and secure.

- Six openings for 1 in. (25mm) test tubes
- Top plate supported by two columns
- Autoclavable
- Blue polypropylene



Cat. No.	Description	Price
S95921	In-Line Test Tube Rack	2.25/Ea

Polypropylene Support and Dryer

Stain and chemical resistant stand is a convenient test tube dryer.

- One-piece, molded polypropylene test tube holder
- Resists stains and corrosive chemicals
- Unbreakable and easy to clean
- Drying pins hold test tubes while drying



Cat. No.	Positions	Height	Length	Width	Price
S47890	17	2.37 in.	8 in.	4 in.	10.50/Ea

Lightweight Plastic Rack

Economical and unbreakable.

Three-tiered polyethylene test tube rack provides better support.

- 19mm tubes



Cat. No.	Description	Price
S47859	Plastic Rack	31.00/Ea

SP Scienceware™ Round Bubble Rack

Optimized for use in microbiology and immunology labs

- Made especially for use in beakers
- Incubate eight to twenty 1.5mL tubes in a beaker of water
- Molded of buoyant polymethylpentene with tiny bubbles throughout for additional buoyancy
- Racks fill at top; tubes remove easily by pressing rack down on bench until legs touch and release tubes
- Tube holes arranged in circular pattern with center rod handle
- Steam autoclavable at 121°C (250°F); can be boiled at 100°C (212°F) for 30 minutes



Cat. No.	Description	Price
S66814	Round Bubble Rack	20.50/Ea

United Scientific™ Round Test Tube Rack

Solid high-impact plastic construction.

- Holds 24 tubes up to 20mm in diameter
- Perforated bottom
- Dimensions: 5.7 dia. x 2.75 in.H (145 x 70mm)



Cat. No.	Description	Price
S90342	Round Test Tube Rack	8.30/Ea

SP Scienceware™ Contact Plate/Petri Dish Rack

Safely transports, incubates and stores up to 60 contact plates with lids (up to 72mm diameter) or 42 Petri dishes with lids (up to 100mm diameter) to streamline benchtop sample processing.



- Compatible with RODAC™ and BD™ contact plates or 100mm Petri dishes and lids
- Rack is configured in 6 columns with bottom-access slots for easy, safe removal of items
- Center divider has a built-in handle with ample space for labeling
- Up to four racks can be stacked together and interlocked to prevent accidental knock over
- A small, stable base preserves bench top space
- Made from white polypropylene that is steam autoclavable at 121°C (250°F)
- Racks are shipped flat and are easily assembled

Cat. No.	For Use With	Dimensions (L x W x H)	Holds	Price
S43329	Contact plates with lids (72mm Diameter)	10.47 x 6.49 x 7 in. (26.6 x 16.5 x 17.8cm)	60	74.25/Ea
S90138	Petri dishes with lids (100mm Diameter)	13 x 8.25 x 7 in. (33 x 21 x 17.8cm)	42	91.00/Ea

fisherbrand Poxygrid™ Test Tube Racks

Chemical (organic solvents, salts, weak acids and weak alkalis) and corrosion-resistant steel wire racks are coated with heat-cured epoxy

- Epoxy-coatings are unaffected by organic solvents, salts, weak acids and weak alkalis
- Three decks and no legs with a slotted grid bottom
- Square holes hold test tubes securely
- Reinforced edges
- Autoclavable: will withstand a temperature range of -223°C (-369°F) to 121°C (250°F)



Cat. No.	Positions	Holds	Price
S71786	72	10 to 13mm	43.00/Ea
S71787	108	10 to 13mm	24.25/Ea
S71788	72	13 to 16mm	36.75/Ea
S71789	108	13 to 16mm	24.50/Ea
S71784	80	16 to 20mm	46.75/Ea
S71785	80	22mm	46.75/Ea

United Scientific™ Wooden Test Tube Racks

Solid hardwood construction.



- Racks are polished to minimize damage to surface from spills
- One-Tier Rack: six 25mm holes, six drying pins, 0.5 in. (1.3cm) thick base
- Two-Tier Rack: 13-tube capacity, six drying pins

Cat. No.	Description	Price
S99451	Two Tier Tube Rack	11.00/Ea
S99439	One Tier Tube Rack	7.05/Ea

Slides and Coverslips

Glass Microscope Slides and Coverslips

Pre-cleaned slides and coverslips.



- Plain glass
- Slide thickness: 1.0 to 1.2mm
- Coverslip thickness: 0.13 to 0.17mm (size No. 1)
- Slide size: 25 × 75mm

Cat. No.	Description	Size	Thickness (Metric)	Price
S17466A	Microscope Slides	25 × 75mm	1 to 1.2mm	16.25/Pk
S13604	Coverslips	18 × 18mm	0.13 to 0.17mm	0.80/Ea
S175211A	Coverslips	22 × 22mm	0.13 to 0.17mm	10.50/Ea

SP Scienceware™ Poxygrid™ 50mL Centrifuge Tube Rack

Organizes tubes for storage and processing. Bel Art™ SP Scienceware™ Poxygrid™ 50mL Centrifuge Tube Racks.

- Heat-cured epoxy coating is unaffected by organic solvents, salts, weak acids and weak alkalis
- Steam autoclavable at 121°C (250°F)
- Temperature range: -223° to +121°C (-369° to +250°F)
- Supports 50ml plastic centrifuge tubes in individual wells, each 30mm square



- 5.87 × 3.18 × 3.62 in. (14.9 × 8 × 9.2cm)
- 8 positions

Cat. No.	Description	Price
S96710	50mL Centrifuge Tube Rack	64.25/Ea

Eisco Frosted Microscope Glass Slides

Pre-cleaned, for use in laboratories. EISCO Frosted Microscope Glass slides are made from clear, optically flat glass.

- Constructed of clear, noncorrosive glass with ground and polished edges
- Standard size: 75 × 25mm (3 × 1 in.)
- Thickness: 1.1 to 1.2mm



Cat. No.	Description	Price
S13944	50 Pack of Frosted Microscope Slides	3.35/Pk
S24460	72 Pack of Frosted Microscope Slides	7.15/Ea
S95933	144 Pack of Frosted Microscope Slides	9.95/Pk

fisherbrand Disposable Microscope Slides

Durable plastic microscope slides.

- Precleaned and packed per dozen
- Size: 3 × 1 in. (7.6 × 2.5cm)



Cat. No.	Description	Price
S67111A	12 Pack of Disposable Microscope Slides	5.50/Pk
S67112A	144 Pack of Disposable Microscope Slides	20.50/Pk

Eisco Microscope Glass Covers

Useful for holding specimens flat and in place for observation under the microscope.

- Made from clear and optically-true glass
- Uniform in size
- Free from scratches and striations
- Packed in plastic box for easy handling
- 18 × 18mm
- Pack of 100



Cat. No.	Description	Price
S24461	Microscope Covers	3.45/Ea

fisherbrand Disposable Cover Slips

Unbreakable, noncurling, plastic slips.

- Size: 0.87 × 0.87 in. (22 × 22mm)
- Thickness: 0.007 × 0.010 in. (0.17 to 0.25mm)



Cat. No.	Description	Price
S17525B	100 Pack of Cover Slips	4.80/Pk
S17525C	1000 Pack of Cover Slips	42.75/Pk

United Scientific™ Glass Concavity Slide

Pre-cleaned slide of 1.3mm thickness with single concavity.

- Made of quality sheet glass, with ground edges
- Spherical concavity with 16mm diameter and depth of 0.8mm
- Size: 75 × 25mm
- Quantity: 12/Pk.



Cat. No.	Description	Price
S13129	Glass Concavity Slide	5.25/Pk

United Scientific™ Plastic Well Slides

Reusable alternative to glass slide with well.

- Reusable
- Dimension: 3 in. × 1 in.
- Well dimensions: approximately 16mm diameter with a depth of 2 to 3mm
- Construction: clear plastic
- Supplied as sheets of 10



Cat. No.	Description	Price
S07365	Plastic Well Slides	1.30/Pk

Deep-Well Projection Slides

View specimens by either microscope or projector.

Slides hold live aquatic specimens in the well and permit students to view them under a microscope or by means of a 35mm or overhead projector. Chemistry students can view crystal formation.



- With cap
- Pack of 5

Cat. No.	Description	Price
S17889	Deep-Well Projection Slides	11.00/Pk

SP Scienceware™ Vikem™ Vinyl Microscope Covers

SP Scienceware™ Vikem™ Microscope Covers are transparent vinyl covers that protect microscopes, balances and other instruments from dust and spills. Available in several sizes.



- Cover slides over the instrument when not in use
- Transparent vinyl covers won't crack or tear
- Protect against dust and spills
- Available in a variety of sizes

Cat. No.	Height	Length	Size	Width	Price
S19325	16.5 in.	13 in.	Standard	9 in.	20.50/Ea
S19327	18 in.	16 in.	Large	11 in.	26.00/Ea

Celestron NexYZ 3-Axis Universal Smartphone Adapter



Celestron NexYZ 3-Axis Universal Smartphone Adapter connects a smartphone to a telescope, spotting scope, binocular, monocular, and microscope to capture images and video through the eyepiece

FEATURES:

- Works with a wide range of mobile phone models, including all the latest devices from Samsung, Google, and Apple
- Features three directional knobs that perfectly align the phone camera with the eyepiece in seconds
- Stands up to rigorous field use thanks to its robust, durable construction with a metal frame and polymer body
- Fits any eyepiece from 35mm to 60mm in diameter including telescopes with 1.25 in. and 2 in. eyepieces, spotting scopes, monoculars, and binoculars
- Attaches to microscopes with the addition of the included adapter ring, taking the usable diameter down to 25mm, the size of a standard microscope eyepiece
- Strong spring and a threaded twist lock provide a two-level strong and secure grip on the optical instrument's eyepiece to image with confidence
- Phone platform is fully adjustable to fit any device, typically with the case on
- Larger devices like the iPhone 8 Plus and latest Samsung Galaxy devices work as well
- Secure platform stands up to the weight of heavier devices
- Spring-loaded clamps make it easy to quickly remove one device and replace it with another
- Switch image from portrait to landscape by turning the padded eyepiece clamp and readjusting the X, Y, and Z axis



WARRANTY:

2-Year Warranty

Cat. No.	Description	Price
S72453	NexYZ 3-Axis Universal Smartphone Adapter	60.00/Ea

United Scientific™ Slide-Holding Forceps

For handling cover glasses and slides.

- Constructed of plated steel wire
- Allow you to securely grip cover glasses and slides



Cat. No.	Description	Price
S01972	Slide Holding Forceps	1.35/Ea

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MAKING SCIENCE MATTER

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Log in to your account on fisheredu.com to see your discounts.

SP Scienceware™ Polypropylene Coplin Staining Jar

Large opening for easy placement and removal of slides.

- Stains 3 × 1 in. (75 × 25mm) slides vertically
- Holds five single slides or 10 slides back to back
- Screw cap reduces leaks and evaporation



Specifications:

- Steam autoclavable to 121°C (250°F)
- Overall height: 4.5 in. (114mm)
- Base diameter: 2.38 in. (59.7mm)

INCLUDES:

53mm polypropylene flat-top screw cap

Cat. No.	Description	Price
S90130	Coplin Staining Jar	12.00/Ea

Cargille Immersion Oil

Finest immersion oil available.

For use with 100X oil immersion objectives. Type B is recommended for most educational microscopy; contains no PCB compounds.

- Type A: Low fluorescence, low viscosity
- Type B: Low fluorescence, high viscosity



Cat. No.	Quantity	Viscosity	Description	Price
S19304A	1 oz.	150 cSt	Type A	20.50/Ea
S19314	1 oz.	1250 cSt	Type B	20.75/Ea
S19305	4 oz.	150 cSt	Type A	35.25/Ea
S19312	4 oz.	1250 cSt	Type B	36.50/Ea

fisherbrand Optical Lens Cleaner

Excellent for removing oil and smudges from objectives or any optical surface.

- Regular cleaning helps extend the life of your objective by removing surface debris that could cause scratching
- Cleans gently — will not affect a coated optic or soften the mounting that holds the objective in place
- Laboratory safe
- Nonflammable



ORDERING INFORMATION:

Supplied in 2 oz. (59mL) bottles

Cat. No.	Description	Price
S66878	Optical Lens Cleaner	58.25/Pk

Lens Paper

Cleans lenses and other delicate surfaces.



- Specially made for cleaning lenses
- Soft, thin paper is free from impurities
- Cleans but never scratches and doesn't become harsh

Cat. No.	Description	Price
S47605	50 sheets	16.25/Pk
S47606	100 sheets	28.00/Pk

Bibulous Paper for Drying Slides

Absorbent paper is useful in a variety of lab settings.

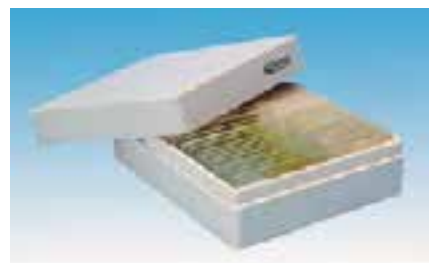
Recommended for drying slides in bacteriological, pathological and biological laboratories, this absorbent paper comes in sheets measuring 5.9 × 3.9 in. (15 × 10cm). Each book of 50 sheets is neatly bound with heavy paper covers.



Cat. No.	Description	Price
S17499	Bibulous Paper	33.00/Pk

Eisco Polystyrene Slide Boxes

Durable — keep slides safe and in order.



- Compact design with heavy walls that will not warp, splinter or crack
- Hold 3 × 1 in. (75 × 25mm) slides

Cat. No.	Device Holds	Price
S95934A	10	6.70/Ea
S95934B	25	7.30/Ea
S95934C	50	10.50/Ea
S95934D	100	17.75/Ea

Spatulas and Spoons

SP Scienceware™ EcoTensil™ Disposable Paper Sampling Spoon

For use in sampling and retrieving materials in laboratory. EcoTensil™ Disposable Paper Sampling Spoon can be stored flat and easily folds into functional spoon.

- Coated to withstand powders, gels, and semi-solids
- Use 50-90% less material and space than plastic spoons
- Compostable (ASTM D6868) and recyclable
- Used as weigh boat



Cat. No.	Description	Price
S37595	EcoTensil Disposable Paper Sampling Spoon	27.75/Pk

fisherbrand Spoonula™ Lab Spoon

Fisherbrand Spoonula™ Lab Spoon is used for transferring crystalline materials, crushing lumps, scraping, or even chopping!



Fisherbrand™ Spoonula™ Lab Spoon is used for transferring crystalline materials, crushing lumps, scraping, or even chopping. Our spatulas are designed to exceed performance expectations -This is the Fisherbrand Advantage.

- Made from ASTM™ standard stainless-steel construction
- Polished finishing
- Spoon end: 1.25L x 0.56 in.W (32 x 14mm)
- Spatula end: 2L x 0.31 in.W (51 x 7.9mm)
- Length: 9 in.

Cat. No.	Description	Price
S35888	Spoonula Lab Spoon	71.50/Pk

fisherbrand Microspatulas

Perfect for small quantity applications such as sample transfer (e.g. Into test tubes or microcentrifuge tubes).



- Perfect for students, instructors and researchers
- Handy tools to scrape solidified material from crucibles and jars
- Corrosion-free and resistant
- Non-stick surface – reduces loss in sample
- Satin/matte, antiglare finish
- ASTM™ standard stainless steel construction
- Model S50822 – one tapered and one rounded end
- Model S50823- with small, spoon-like blade end and a resilient Handihold™ handle end

Cat. No.	Description	Price
S50822	Double-Ended, Length: 8 in.	58.75/Pk
S50823	Single-Ended, Length: 5.5 in.	67.00/Pk

Eisco Spoon and Spatula Tool

Versatile tool ideal for a wide range of applications.



- 9 in. (22.9cm) long
- Polished
- Sold in packs of six

Cat. No.	Description	Price
S50789A	Spoon and Spatula Tool	52.50/Pk

Eisco Spatula-Scoop

Versatile stainless-steel spatula with semi-circular cross section.

Versatile stainless steel spatula for use in the lab or kitchen



- Semicircular cross section
- One end is rounded and the other is pointed
- Length: 16.51cm (6.5 in.)

Cat. No.	Description	Price
S02602	Spatula-Scoop	15.75/Pk

United Scientific™ Spatula Set

Set of six of the most popular spoons and spatulas for the laboratory or the classroom.

One each:

- 4 in. (10.2cm) blade mounted on a hardwood handle
- Microspoon with plastic handle
- 6 in. (15.2cm) stainless-steel, one end flat, one end spoon
- 6 in. (15.2cm) stainless-steel, one end bent, one end flat
- 6 in. (15.2cm) stainless-steel, one end flat, one end tapered
- 6 in. (15.2cm) polypropylene, one end spatula, one end spoon



Cat. No.	Description	Price
S04546	Spatulat Set	18.00/Ea

fisherbrand Traceable™ Spatula Balance™

Unique spatula scoops material and instantly weighs it.

Transfers and weighs crystals, granulated material, solids, liquids, precipitates, chemicals, and expensive matter.



- Balance with digital display is located in the easy-grip handle
- Three-position, soft-touch keys in the handle tare, hold the display and change grams/ounces
- LCD indicates low battery
- Large scoop minimizes spilling
- Chemical- and corrosion-resistant ABS plastic transfers materials without sticking
- Scoop holds 32mL and scoop volume is 32cm³
- Scoop detaches from balance for dishwasher-safe cleaning
- Markings on scoop graduated from 5 to 30mL
- Weighing range: 0.0 to 10.580 oz. (0.0 to 300.0g)
- Readability: (0.1g)
- Level position repeatability: 0.1g
- Tare range: 0 to 450g
- Linearity: ±0.2g
- Dimensions: 9 × 2 × 1 in. (22.9 × 5.1 × 2.5cm)
- Weight: 3 oz. (85g)

INCLUDES: Two AAA batteries

CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

Cat. No.	Description	Price
S95267	Digital Balance Spatula	57.25/Ea

Stoppers

United Scientific™ Rubber Stoppers

Ideal for use with non-aggressive or concentrated solutions. Withstand temperatures from -13° to 158°F (-25° to 70°C).



- Made of solid natural rubber that stays pliable over long period of time
- Low sulfur content
- Size marked in raised figures
- Sold as one-pound bags

Cat. No.	Stopper Number	Price
Solid Rubber Stoppers		
S23994	00	6.10/Pk
S23995	0	6.10/Pk
S23996	1	6.10/Pk
S23997	2	6.10/Pk
S23998	3	6.10/Pk
S23999	4	6.10/Pk
S24000	6	6.10/Pk
S24001	7	6.10/Pk
S24002	8	6.10/Pk
S24003	9	6.10/Pk
S24004	10	6.10/Pk
One Hole Rubber Stoppers		
S24005	0	6.10/Pk
S24006	1	6.10/Pk
S24007	2	6.10/Pk
S24008	4	6.10/Pk
S24009	6	6.10/Pk
S24010	7	6.10/Pk
S24011	8	6.10/Pk
Two Hole Rubber Stoppers		
S24012	0	6.10/Pk
S24013	2	6.10/Pk
S24014	3	6.10/Pk
S24015	4	6.10/Pk
S24016	6	6.10/Pk
S24017	7	6.10/Pk
S24018	8	6.10/Pk

Laboratory Grade Cork Stoppers

Available in different sizes for many laboratory or classroom needs. Solid type corks with a variety of useful applications.



- Quality, laboratory grade cork stoppers
- Solid type corks

Cat. No.	Size	Price
S13829	000	3.50/Pk
S13830	00	5.25/Pk
S13831	0	5.35/Pk
S13832	1	5.45/Pk
S13833	2	5.80/Pk
S13834	3	4.60/Pk
S13835	4	5.85/Pk
S13836	5	5.85/Pk
S13837	6	6.45/Pk
S13838	7	6.45/Pk
S13839	8	5.40/Pk
S13840	9	7.80/Pk
S13841	10	12.75/Pk
S13842	11	12.00/Pk
S13843	12	14.00/Pk

Cork Borer Sets with Handles

Bore holes in corks and rubber stoppers.



- Consist of plated tubing with precision-ground cutting edges
- Smooth plastic handles
- Handles are stamped with a number designation
- Punch included with each set

Cat. No.	Diameter (English) Outer	Diameter (Metric) Outer	Quantity	Price
S50166A	0.18 to 0.31 in.	4.8 to 7.8mm	3 Pack	21.00/Pk
S50166E	0.18 to 0.93 in.	4.8 to 23.8mm	15 Pack	97.00/Pk

Tapes and Labels

fisherbrand Colored Label Tapes

Strong, durable, waterproof and oil and acid resistant.



- Withstand temperatures from -23° to +121°C (-10° to +250°F)
- Write on with pen, pencil or permanent marker
- Stick to most surfaces, including glass, plastic and metal
- Remove cleanly and easily
- Supplied in 14 yd. (13m) rolls on 1 in. (2.5cm) cores without dispenser

Cat. No.	Color	Width (English)	Price
S68136	Aqua	0.5 in.	52.25/Pk
S68135	Blue	0.5 in.	52.25/Pk
S68702	Gray	0.5 in.	52.25/Pk
S68129	Green	0.5 in.	52.25/Pk
S68134	Orange	0.5 in.	52.25/Pk
S68130	Pink	0.5 in.	52.25/Pk
S68133	Red	0.5 in.	52.25/Pk
S68127	White	0.5 in.	52.25/Pk
S68128	Yellow	0.5 in.	52.25/Pk
S68131	Rainbow	0.5 in.	169.00/Cs
S68145	Aqua	0.75 in.	41.00/Pk
S68144	Blue	0.75 in.	41.00/Pk
S68703	Gray	0.75 in.	41.00/Pk
S68140	Green	0.75 in.	41.00/Pk
S68143	Orange	0.75 in.	41.00/Pk
S68141	Pink	0.75 in.	41.00/Pk
S68142	Red	0.75 in.	41.00/Pk
S68138	White	0.75 in.	41.00/Pk
S68139	Yellow	0.75 in.	41.00/Pk
S68132	Rainbow	0.75 in.	137.00/Cs
S68153	Aqua	1 in.	41.50/Pk
S68152	Blue	1 in.	41.50/Pk
S68704	Gray	1 in.	41.50/Pk
S68148	Green	1 in.	41.50/Pk
S68151	Orange	1 in.	41.50/Pk
S68149	Pink	1 in.	41.50/Pk
S68150	Red	1 in.	41.50/Pk
S68146	White	1 in.	41.50/Pk
S68147	Yellow	1 in.	41.50/Pk
S68137	Rainbow	1 in.	73.25/Cs

SP Scienceware™ Write-On™ Label Tape Dispensers

Dispenser provides smooth writing surface, making labeling easy and fast

- Mix various width and color tape rolls
- Holds either 1 or 3 in. core diameter rolls
- Includes 3 separating discs for snag free dispensing
- Molded-in pen holder wells help keep writing instruments handy

Desktop Model has weighted steel base with rubber feet to prevent slipping. Includes one free roll of 1/2 in., White, Write-On™ Labeling Tape.

Economy Model is designed for lighter duty use. Includes mounting holes for secure attachment to a benchtop (screws not supplied). Includes one free roll of 1/2 in. White, Write-On™ Labeling Tape.



Cat. No.	Model	Holds	Price
S90145A	Economy	25 or 75mm Core dia. rolls	58.25/Ea
S90145B	Desktop	7 rolls of 0.5 in. W labeling tape with a 25mm or 75mm core dia. rolls	177.00/Ea

Parafilm™ M Wrapping Film

Efficient and cost-effective covering for test tubes, beakers, vials, petri dishes, flasks, and various other instruments and objects with irregular surfaces.

- Protect the integrity of research applications with a tight moisture-barrier that holds a strong seal and doesn't release from glassware, despite off-gassing.
- Reduce the risk of tampered data with a covering that is odorless, colorless and semi-transparent.
- Prevents moisture and volume loss due to material composition and tight seal.
- Flexible and self-sealing material allows it to cling around irregular shapes and surfaces.
- Stretches more than 200% of original length.
- Resistant up to 48 hours against many polar substances such as saline solutions, inorganic acids and alkaline solutions.



Permeability

- Oxygen: (ASTM 1927-98) 150 cc/m² d at 23°C and 50% RH
- Carbon Dioxide: (Modulated IR Method) 1200 cc/m² d at 23°C and 0% RH
- Water Vapor: (ASTM F1249-01)
- Flat: 1 g/m² d at 38°C and 90% RH
- Creased: 1 g/m² d at 38°C and 90% RH

Cat. No.	Length (English)	Width (English)	Price
S37440	125 ft.	4 in.	34.50/Ea
S37441	250 ft.	2 in.	28.50/Ea
S47529	50 ft.	20 in.	108.00/Ea

Effects of Common Reagents

- Potassium Permanganate
- 5%: No apparent effect except permanent dark brown coloration in 18 hours
- 0.1%: Same as 5% except slightly less color
- Iodine solution (0.1N)
- No effect except staining brown in 18 hours
- Ethyl Alcohol (95%)
- No apparent effect except some face whitening in 24 hours
- No apparent effect in 24 hours:
- Hydrochloric Acid conc. (12N) dil. (5N)
- Sulphuric Acid conc. (36N) dil. (5N)
- Nitric Acid conc. (16N) dil. (5N)
- Sodium Hydroxide conc. (22%)
- Ammonium Hydroxide conc. (28% NH₃)
- Salt (NaCl) solution (20%)
- Isopropyl Alcohol (99%)
- Not recommended for use with chlorinated, non-polar aliphatic and aromatic solvents
- Film becomes soft and sticky at about 130°F to 150°F (68°C)

Self-Adhesive Labels

Labels stick to almost any surface without moistening



- Easily marked with pencil, pen, ball-point or felt-tip marker
- Latex-impregnated paper with adhesive backing
- Conforms to rounder surfaces
- Easily removed in one piece without residue
- Rectangular, plain white

Cat. No.	Description	Size	Price
S41757	1000 Pack	0.75 × 0.50 in.	11.50/Pk
S41758	1000 Pack	0.87 × 0.87 in.	11.10/Pk
S41759	1000 Pack	0.75 × 1.00 in.	9.16/Pk
S41760	500 Pack	1.50 × 0.75 in.	11.40/Pk

fisherbrand HMIG and NFR Write-On Labels

Ideal for adding vital hazard information to surfaces of small bottles, cans and other containers.

- **HMIG paper labels** are large enough to include the chemical name, common name and manufacturer name
- **NFR labels** let you write in the chemical name, owner, date and hazard rating



ORDERING INFORMATION:

Labels measure 3.87L × 1.5 in.W (9.8 × 3.8cm).

Cat. No.	Description	Price
S98410	HMIG	56.00/Pk
S98411	NFR	56.00/Pk

fisherbrand Hazard and NFR Identification Write-On Labels

Ideal for adding vital hazard information to surfaces of small bottles, cans, and other containers.

Blank hazard classification diamond can be filled in with the appropriate ratings.



Large Labels

- Spaces for Chemical Name, Hazards and Precautions
- Check boxes for goggles, gloves, apron and fume hood
- Dimensions: 5W × 3 in.H (12.7 × 7.6cm)

Small NFR Labels

- Spaces for Chemical Name, Owner and Date
- Dimensions: 3.88W × 1.5 in.H (9.9 × 3.8cm)

Cat. No.	Description	Height	Width	Price
S43188	1000 Rolls	1.5 in.	3.88 in.	56.00/Pk
S475646	100 Rolls	3 in.	5 in.	26.75/Pk

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Thermometers

fisherbrand Partial Immersion Laboratory Grade Spirit Thermometers

- Partial immersion
- Length: 12 in. (30.5cm)
- Permanently fused markings
- Thermometers should be stored at a 15° angle minimum



ORDERING INFORMATION:
Individually packaged.

Cat. No.	Temperature Range (English)	Temperature Range (Metric)	Price
S02003B*	-4° to 302°F	-20° to 150°C	4.05/Ea
S02003M*	-4° to 230°F	-20° to 110°C	4.15/Ea

Fisher Science Education™ Student Grade Partial Immersion Red Spirit Thermometers

Check up to five results to perform an action.

- Partial immersion
- Length: 12 in. (30.5cm)
- Permanently fused markings
- PTFE coating helps prevent liquid and glass contamination if thermometer is broken
- Thermometers should be stored at a 15° angle minimum



ORDERING INFORMATION:
Individually packaged.

Cat. No.	Description	Temperature Range (Metric)	Temperature Range (English)	Price
S01963P*	PTFE Coating	-20° to 150°C	-4° to 302°F	11.50/Ea
S01963R*	PFA Coating	-20° to 110°C	-4° to 230°F	11.50/Ea

Fisher Science Education™ Student Grade Spirit Thermometers

Check up to five results to perform an action.

- Length: 12 in. (30.5cm)
- Permanently fused markings
- Thermometers should be stored at a 15° angle minimum



ORDERING INFORMATION:
Individually packaged.

Cat. No.	Temperature Range (English)	Temperature Range (Metric)	Length (Metric) Overall	Product Type	Price
S01963A*	-4° to 230°F	-20° to 110°C	300mm	Standard	4.15/Ea
S01963C*	-4° to 230°F	-20° to 150°C	300mm	Standard	4.05/Ea
S01963D*	14° to 392°F	-10° to 200°C	305mm	Wide Range	16.25/Ea
S01963E*	14° to 392°F	-10° to 200°C	305mm	Wide Range	16.25/Ea
S01963T*	14° to 230°F	-10° to 110°C	305mm	Dual Scale, Partial Immersion	4.10/Ea
S01963G*	14° to 230°F	-10° to 110°C	305mm	Dual Scale, Total Immersion	5.15/Ea
S01963H*	-4° to 302°F	-20° to 150°C	305mm	Dual Scale	3.80/Ea

fisherbrand Durac™ Spirit Green Thermometer

Ideal for use in applications in which a very precise, accurate temperature measurement is required.



- Triangular anti-roll fitting
- Permanently fused markings
- Red spirit liquid with white background glass
- Individually packaged and serialized with a statement of traceability
- -20 to +110°C
- Length: 300mm
- Immersion: 76mm

CERTIFICATIONS:

Tested and calibrated in a triple accredited/registered ISO/IEC 17025:2005, A2LA™ Laboratory.

Cat. No.	Description	Price
S02005*	Green Spirit Thermometer	11.50/Ea

 * California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

fisherbrand Laboratory Grade Total Immersion Spirit Thermometers

Check up to five results to perform an action.

- Glass
- Total immersion
- Length: 12 in. (30.5cm)
- Permanently fused markings
- Thermometers should be stored at a 15° angle minimum



CERTIFICATIONS:

ISO/IEC 17025:2005, A2LA, ANSI/SAMA Z236.1-1983, NIST, DKD

ORDERING INFORMATION:

Individually packaged.

Cat. No.	Temperature Range (English)	Temperature Range (Metric)	Price
S02003A*	-4° to 230°F	-20° to 110°C	11.50/Ea
S02003C*	-4° to 302°F	-20° to 150°C	4.05/Ea

fisherbrand Durac™ Plus™ Thermometers

Ideal for use in applications in which a very precise, accurate temperature measurement is required.



- Glass
- Triangular anti-roll fitting
- Permanently fused markings
- Blue spirit liquid with white background glass
- Individually packaged
- Individually serialized with a traceability statement

CERTIFICATIONS:

Tested and calibrated in a triple accredited/registered ISO/IEC 17025:2005, A2LA™ Laboratory.

Cat. No.	Temperature Range (Metric)	Immersion Type	Length (Metric) Overall	Subdivision	Price
S02004A*	-10° to 110°C	Partial	200mm	2°C	21.75/Ea
S02004B*	-10° to 150°C	Partial	200mm	2°C	21.75/Ea
S02004C*	-20° to 110°C	Partial	300mm	2°C	17.50/Ea
S02004D*	-20° to 150°C	Partial	300mm	1°C	18.50/Ea
S02004E*	0° to 230°F	Partial	300mm	3°F	7.55/Ea
S02004F*	0° to 300°F	Partial	300mm	2°F	20.50/Ea
S02004G*	-10° to 260°C	Partial	300mm	2°C	32.00/Ea
S02004H*	-10° to 110°C	Total	200mm	2°C	5.95/Ea
S02004K*	-20° to 110°C	Total	300mm	1°C	18.50/Ea

SP Scienceware™ Easy-Read™ Partial Immersion General Purpose Liquid-In-Glass Thermometers

Easy-to-read partial immersion thermometers.



- Lead-free, yellow back glass and black liquid provides easy readability and fewer reading errors
- Contains non-toxic, biodegradable, Enviro-Safe™ liquid
- EnviroKleen™ certified

Applications:

Ideal for use in chemical/petrochemical laboratories, universities, scientific institutions, food and beverage processing, pharmaceutical and medical industries, dairies, breweries and distilleries.

ORDERING INFORMATION:

Should you require an individual Thermometer Calibration Report, factory calibrated thermometers or custom calibration services are available.

CERTIFICATIONS:

Manufactured and tested by our USA quality team, these thermometers are traceable to NIST and include a multi-language (English, French, German, Italian, Portuguese, and Spanish) Statement of Accuracy and Traceability.

Cat. No.	Temperature Range (English)	Temperature Range (Metric)	Price
S95775	----	-10° to 110°C	18.25/Ea
S95777	----	-10° to 150°C	17.50/Ea
S95779	20° to 230°F	----	22.75/Ea
S95781	20° to 300°F	----	5.90/Ea
S95783	----	-10° to 70°C	59.50/Ea
S95784	----	-20° to 110°C	27.75/Ea
S95786	----	-20° to 150°C	24.75/Ea
S95790	0° to 300°F	----	27.75/Ea
S95792	----	-10° to 260°C	28.75/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov

** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov

*** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SP Sciencware™ Enviro-Safe™ General Purpose Liquid-In-Glass Thermometers

Certified environmentally safe thermometers replace dangerous mercury.



- Earth friendly, EnviroKleen™ certified thermometers
- Feature green, non-toxic, biodegradable, Enviro-Safe™ liquid against lead-free, white back glass
- Meet government, education, and industry mandates to purchase "Green" products

Applications:

Ideal for use in chemical/petrochemical laboratories, universities, scientific institutions, food and beverage processing, pharmaceutical and medical industries, dairies, breweries and distilleries.

ORDERING INFORMATION:

Should you require an individualized Thermometer Calibration Report, factory calibrated thermometers or custom calibration services are available.

COMPLIANCE:

Manufactured and tested by USA quality team.

CERTIFICATIONS:

Individually serialized thermometers are traceable to NIST; include a multi-language Statement of Accuracy and Traceability.

Cat. No.	Temperature Range	Length (Metric) Overall	Price
S95796	-10° to 110°C	200mm	18.50/Ea
S95797	-10° to 110°C	200mm	18.50/Ea
S95799	-10° to 150°C	200mm	20.50/Ea
S95800	20° to 230°F	200mm	19.75/Ea
S95804	-20° to 110°C	300mm	27.25/Ea
S95805	-20° to 110°C	300mm	17.50/Ea
S95806	-20° to 150°C	300mm	19.50/Ea

United Scientific™ Metal-Back Thermometers

Alcohol-filled glass thermometers.

- Mounted on aluminum backs



Cat. No.	Temperature Range	Price
S41570	-30° to 110°C	2.65/Ea
S65302	-40° to 110°C	2.65/Ea

fisherbrand Traceable™ Digital Thermometer

Versatile panel-mount module snaps into place or can be used as a stand-alone unit.



- Easy-view, four-digit LCD is 0.75 in. high
- Records minimum and maximum memory readings over any time period
- Temperature range encompasses virtually all testing requirements: -58° to +572°F and -50 to +300°C
- Resolution is 0.1° from -20° to +200°; 1° outside this range
- Accuracy is $\pm 1^\circ\text{C}$ between -20° and +100°C
- Reading updates every second

ORDERING INFORMATION:

Dimensions: 1.5H x 2.44W x 0.5 in. D,
Probe diameter 0.14 in.,
Probe length (including handle): 2.75 in.,
Cable length: 120 in.

INCLUDES:

- Stainless-steel probe with extended cable
- Individually serial-numbered
- Battery

CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

Cat. No.	Description	Price
S90862	Digital Thermometer, Snap-in Module with Probe	32.75/Ea



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Liquid Crystal Strip Thermometer

Disposable, noninvasive method for measuring body temperature.

- Small 1.5 in. (45mm) flexible plastic strip with liquid crystal display
- Applied to skin surface, like a hand or forehead, with adhesive back
- Current temperature shows green color
- Range: 94.6° to 104.6°F (34.7° to 40.3°C)
- Division: 2°F (16.6°C)
- 1.5in. L (45mm)



Cat. No.	Description	Price
S01942	Liquid Crystal Strip Thermometer	1.45/Ea

fisherbrand Waterproof/Piercing/Drop-Proof Thermometer

Sturdy and convenient to use.



- Waterproof construction
- Top-reading design
- Stainless-steel probe Drop-proof from 5 ft. (1.5m)
- Large, bright and highly readable LCD display is 0.25 in. (6.3mm) high
- Reading is updated every second
- With a silver-oxide battery
- Probe dia: 0.19 in.
- Probe length: 8 in.
- -50 to +280°C (-58° to +536°F)

Cat. No.	Description	Price
S90200	Waterproof/Piercing/Drop-Proof Thermometer	30.75/Ea

fisherbrand Traceable™ Lollipop™ Shock/Waterproof Thermometer

Offers minimum/maximum temperature readings. Fisherbrand Traceable Lollipop Shock/Waterproof Thermometer is water-resistant and is ideal for wet labs, wash-down areas, and all field applications.

- Safer replacement of hazardous mercury units
- Stainless-steel probe is resistant to most laboratory chemicals
- Shockproof in drop tests up to 5 ft.
- Memory recalls highest and lowest temperature readings which are updated every second
- Solid-state construction eliminates dangers inherent in breakable glass
- Operates without fail in all lab condition - outdoors too
- Bright and easy to view 0.25 in. high display
- Traceable to NIST for accuracy
- Temperature range: -50 to +300°C (-58° to +572°F)
- Resolution: 0.1° from -20° to 200°; 1° outside this range
- Accuracy: +/-1°C between 0 and 100°C
- Stem diameter: 3.5mm (0.14 in.)
- Stem length: 203mm (8 in.)
- Overall length: 260mm (10.25 in.)
- Width: 44.4mm (1.75 in.)
- Depth: 12.7mm (0.5 in.)
- Weight: 0.87 oz.



CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

Cat. No.	Description	Price
S04823	Lollipop Traceable Waterproof Thermometer	34.00/Ea

fisherbrand Traceable™ Digital Dial Thermometer

Easy to read digital dial and mercury free. Fisherbrand Traceable Digital Dial Thermometers are ideal for cuvetts, soil, incubators and test tubes. Wide temperature span combines the ranges of more than 90 different mercury thermometers.



- LCD display 20 times more readable than eye-straining pointers or mercury levels
- Readings updated every 10 seconds
- Operate continuously for 1.5 years on a single replaceable battery
- Resolution, accuracy: 0.10, ±1°C
- Stem length: 4.8 in. (12cm)
- Stem diameter: 0.12 in. (3mm)
- Dial diameter: 1.5 in. (38mm)
- Weight: 1.01 oz. (31g)
- Range: -58 to 572°F and -50 to 300°C

INCLUDES:

Protective case, Silver Oxide battery

CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

Cat. No.	Temperature Range (Metric)	Temperature Range (English)	Accuracy	Price
S54110F	-50° to 300°C	-58° to 572°F	±1°C/±1°F	40.25/Ea
S54110	-50° to 300°C	-58° to 572°F	±1°C	40.25/Ea

fisherbrand Traceable™ Kangaroo™ Thermometer

Kangaroo “pouch” stores probe cable. Fisherbrand Traceable Kangaroo Thermometer is a portable thermometer equipped with a stainless-steel probe suitable for use in acids, bases and solvents.

- -50° to +300°C
- Intuitive, “never read the directions” operation reduces human error
- Automatically captures and recalls minimum and maximum temperature readings over any time period
- High/low alarm is programmable in 1° increments
- Alarm sounds every minute until temperature returns to nonalarm conditions
- Hold button freezes display to record reading
- 0.75 in. digits (19mm) are readable from 20 ft. (9.6m)



INCLUDES:

42 in. (105cm) probe cable stored in reel-compartment pouch, Built-in stand with bench footprint of 4.5 sq. in. (11.4cm), Silver-oxide battery with one year continuous use life

CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

Cat. No.	Description	Price
S94109	Kangaroo Thermometer	40.25/Ea

fisherbrand Long-Stem Digital Thermometer

Durable and safe, containing no mercury or alcohol. Fisherbrand Long-Stem Digital Thermometers are rugged and versatile digital thermometers to read soil, or stir and measure the temperature of solutions. Can also be used with incubators.

- Accuracy: $\pm 1^{\circ}\text{C}$
- Large, bright 0.2 in. (6mm) display
- Reads melting/freezing point temperatures, heat of fusion, temperatures hotter than 110°C (230°F)
- Stainless-steel probe is resistant to acids, bases and solvents
- Dual temperature range: -50° to $+150^{\circ}\text{C}$ (-58° to $+302^{\circ}\text{F}$)
- Stem length: 8 in. (20.3cm); diameter: 3mm
- Overall length: 11 in. (28cm)



CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

Cat. No.	Description	Price
S407993	Long Stem Thermometer	36.75/Ea

fisherbrand Fridge/Freezer/Room Thermometer

With freezer/room temperature display.

- High/Low temperature alarm setting
- Max./Min. temperature memory
- Waterproof fridge sensor
- $^{\circ}\text{C}/^{\circ}\text{F}$ exchange

Specifications:

- Measurement Range: -10° to $+50^{\circ}\text{C}$ / 14° to 122°F (room temperature)
 - -50° to $+70^{\circ}\text{C}$ / -58° to $+158^{\circ}\text{F}$ (fridge/freezer temperature)
- Display Size: 26 x 12mm
- Product Size: 63 x 48 x 12mm
- Sensor cord length: 1000mm
- Battery: 1.5V, size A76 or equivalent x 1 pc



Cat. No.	Description	Price
S01556	Fridge/Freezer/Room Thermometer	27.50/Ea

fisherbrand Refrigerator/Freezer Thermometer

Insulated sensors protect against rapid temperature changes. Fisherbrand Refrigerator/Freezer Thermometers accurately monitor temperatures in freezers, water baths, heating blocks, incubators and refrigerators with bottle-enclosed “temperature buffered” sensor.

- Nontoxic glycol solution in bottle insulates sensor from rapid temperature changes when door is open
- Triple display shows high, low and current temperatures, and min/max feature monitors high and low readings for any time period
- Alarm feature provides an alert when temperature rises above or falls below a setpoint
- 10 ft. micro-cable permits refrigerator doors to close on it
- Velcro™ fasteners and magnetic strips are provided for mounting of both thermometer and bottle sensor
- Supplied with one-year AA battery

S66277

- Range: -50° to $+70^{\circ}\text{C}$ (-58° to $+158^{\circ}\text{F}$)
- Resolution: 1°
- Accuracy: $\pm 1^{\circ}\text{C}$

S66278

- High-resolution, high-accuracy and min/max memory
- Range: -50° to $+70^{\circ}\text{C}$ (-58° to $+158^{\circ}\text{F}$)
- Resolution: 0.1°
- Accuracy: $\pm 0.5^{\circ}\text{C}$



CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

Cat. No.	Accuracy	Dimensions (L x W x H)	Resolution	Price
S66277	$\pm 1^{\circ}\text{C}$	4.25 x 2.75 in. (10.7 x 6.9cm)	1°C	62.00/Ea
S66278	$\pm 0.5^{\circ}\text{C}$	3.25 x 3.25 in. (8.3 x 8.2cm)	0.1°C	74.00/Ea

fisherbrand Infrared Thermometer Gun

Unique design permits “point and shoot” readings. Fisherbrand Infrared Thermometer Gun takes instant, less-than-a-second temperature readings of any surface.

- Requires no contact with surface — safely measure temperature in inaccessible or hazardous areas
- Laser-sighting beam permits aiming precisely at target surface
- Readings display in °C or °F
- Includes backlighting and data hold options
- Temperature range: -4° to +518°F and -20° to +270°C with a resolution of 0.1°
- Dimensions: 6.25 × 3 × 2.25 in. (15.9 × 7.6 × 5.7cm)

Note

Units are not individually calibrated and do not come with a Traceable Certificate.

[†]Accuracy is given at 18°C to 28°C (64°F to 82°F), less than 80%RH; accuracy specified is for emissivity of 0.95.

INCLUDES:

9V battery



Cat. No.	Description	Price
S90202	Special Purpose Thermometer with Infrared Gun	116.00/Ea

fisherbrand Min/Max Thermometer

A safe alternative to glass thermometers.

- Temperature range: -10° to 200°C (14° to 392°F)
- Water-resistant and shockproof
- Stainless-steel probe is resistant to most acids, bases and solvents
- Reading updates every second
- Memory recall of highest and lowest temperature readings, over period of 5 hours
- Silver-oxide battery included
- Wide temperature range

Cat. No.	Description	Price
S90201	Min-Max Thermometer	21.25/Ea



Min-Max Thermometer

Easy-to-read and safer than glass thermometer

- 4 in. stainless steel probe
- Resists acids, solvents and bases
- Selectable °C or °F readout
- Extra wide temperature range of -10°C to 200°C or 14°F to 392°F
- Memory recall of minimum/maximum temperature



INCLUDES:

Stainless Steel probe, pocket clip and 1.5V button battery with 2+ year life

Cat. No.	Description	Price
S40796	Min-Max Thermometer	69.00/Ea



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fisherbrand Traceable™ Infrared Dual Lasers Thermometer with Type-K Probe

With two laser sightings for accuracy.

- Simple operation — turn on, point at sample and take a reading in less than a second
- Dual lasers indicate outer diameter of the surface area being measured; white LED light illuminates the surface
- Reads both Fahrenheit and Celsius of any surface — solids, semisolids and liquids
- Dual display shows current temperature plus one of the following eight modes: emissivity value, max. memory, min. memory, differential, average (time weighted), high temperature alarm, low temperature alarm and probe temperature
- Minimum and maximum feature permits viewing highest and lowest readings at any time
- Displays the average of all readings made while taking measurements and the difference between two readings
- Audible, user-settable high and low alarms signal out of range conditions
- Display backlight permits viewing in low light conditions



Specifications:

- Range: -60° to +550°C (-76° to +1022°F)
- Range using Type-K thermocouple jack: -64° to +1400°C (-83° to +2552°F)
- Resolution is 0.1°
- Accuracy is ±2% of the reading or 2°C, whichever is greater
- Field of view is 12:1
- Emissivity: 0.1 to 1.00 in 0.01 steps
- Dimensions: 7 × 3.75 × 2 in. (17.8 × 9.5 × 5cm)
- Weight: 9 oz. (0.2kg)

INCLUDES:

Type-K beaded sensor and two AAA alkaline batteries

CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

Cat. No.	Description	Price
S02273	With Dual Lasers and Type-K Probe	165.00/Ea

fisherbrand Circular Water-proof Digital Thermometer

IP67 Waterproof.

- Max./Min. reading memory
- °C/°F preset
- Stirring purpose probe cover
- Temperature range: -50° to 200°C (-58° to 392°F)
- Pocket clip



Cat. No.	Description	Price
S01607	Circular Water-Proof Digital Thermometer	29.00/Ea

fisherbrand Cylindrical-Shaped Digital Thermometer

Stainless-steel probe with protective probe cover.

- Waterproof
- Automatic power off
- Max./Min. temperature probe
- On/Off switch
- °C/°F preset
- Temperature range: -50° to 200°C (-58° to 392°F)
- Data hold



Cat. No.	Description	Price
S01595	Cylindrical-Shaped Digital Thermometer	29.75/Ea

fisherbrand Pen-Shaped Thermometers

Measure temperature either in Celsius or Fahrenheit scale or both.

- °C/°F exchange
- Stainless steel
- Probe cover with pocket clip
- Auto power off
- Temperature range: -50° to 200°C (-58° to 392°F)



Cat. No.	Description	Price
S01660	Pen-Shaped	25.00/Ea

SP Scienceware™ Thermometer Holder

Easy-to-use, polypropylene clips hold thermometers and probes from 3.2 to 11 mm (1/8 to 7/16 in.) in diameter securely in place

- Fits onto the rims of beakers or pitchers up to 1/4 in. thick
- Autoclavable at 121°C (250°F)
- Polypropylene
- Autoclavable



Fisher Science Education™ Thermometer Support Rack

Handles provide a sure grip.

Designed to hold up to 25 thermometers in a vertical position.

- Hole diameters in top and middle plates are 0.31 in. (0.8cm)
- Bottom plate has 0.13 in. (0.31cm) diameter drain holes
- Dimensions: 5.84 × 8.12 × 10.2 in. (14.6 × 20.3 × 25.4cm)



Cat. No.	Description	Price
S41251	Beaker Thermometer Holder (3 Pack)	20.50/Pk

Cat. No.	Description	Price
S478761	Thermometer Support Rack	48.00/Ea

Timing

fisherbrand Workstation-Traceable™ Radio-Controlled Clock

Records date, day of the week and temperature from a direct signal from the National Institute of Standards and Technology. Fisherbrand Workstation-Traceable Radio-Controlled Clock is ideal for recording the receiving of samples, noting the exact time an event occurred and supporting documentation.

- Signal automatically adjusts for a.m./p.m., 24-hour time, day/date, daylight saving time, leap year, and leap seconds
- Backlighting permits viewing in total darkness
- Alarm volume increases until turned off
- LCD 0.5 in. (13mm) digits readable from more than 10 ft. (4.8m) One AA battery with one-year continuous-use lifespan included

Specifications

- Timer Accuracy: 1/10,000 of a second at all times
- Range: 0° to 50°C/32° to 158°F
- Temperature Accuracy: ±1°C
- Resolution: 0.1°
- Dimensions: 2.5 × 3 × 1.5 in. (6.3 × 7.5 × 3.8cm)
- Weight: 4 oz. (0.2kg)

CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.



Cat. No.	Description	Price
S95152	Radio-Controlled Clock	30.75/Ea

fisherbrand Traceable™ Flashing LED Big-Digit Dual Channel Timer

Times two different activities simultaneously

- Time each channel counts separately: 99 hr. 59 min. 59 sec. down to 1 sec.
- Each channel has a distinct alarm and visual indicator when zero is reached
- Green light flashes during countdown; red after zero is reached and alarm is sounding
- Alarms have three settings: high, low and muted (silent)
- Alarm may be turned off or silences automatically after 1 min.
- For repetitive timing, microcomputer chip memory permits two countdown times
- For normal timing, memory recalls last countdown time set
- Magnetic back, flip-open easel and opening for lanyard for easy placement of timer
- Accuracy: 0.01%
- Resolution: 1 sec.



INCLUDES:

Two AAA alkaline batteries; individually serial-numbered Traceable Certificate ISO 17025 calibration laboratory accredited by A2LA

CERTIFICATIONS:

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ORDERING INFORMATION:

L x H x W: 3.5 x 3 x 0.63 in. (8.9 x 7.6 x 1.6cm); 3 oz. (85g)

Cat. No.	Description	Price
S02272	Flashing LED Big-Digit Dual Channel Timer	29.75/Ea

fisherbrand 100-min. Count Down/Up Timer

Single-channel timer with a timing capacity of 99 minutes and 59 seconds

- Features extra-large keys, extra-large digits, and alarm
- Three-key operation makes this timer incredibly easy to learn and use
- Timer counts down from 99 minutes, 59 seconds in second increments
- 19mm digits are readable from 6m
- Alarm sounds for 30 seconds and then silences automatically
- Supplied with magnet, flip-open stand, clip, and battery



Cat. No.	Description	Price
S01614	Countdown Timer	17.75/Ea

fisherbrand Fingertip Timer

- Easy-to-use, three-button operation
- Counts down from 99 minutes, 59 seconds, in one-second increments
- Alarm may be silenced manually or turns off automatically after 30 seconds
- Memory retains last programmed time automatically for faster repeat testing

ORDERING INFORMATION:

Dimensions: 1.8 x 3.5 x 0.5 in. (4.6 x 8.9 x 1.3cm);
Weight: 1.2 oz. (34g)

INCLUDES:

Magnetic back with Velcro™ strips for mounting, clock, stop watch, Two-year silver-oxide battery

CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.



Cat. No.	Description	Price
S40709	Fingertip Timer	23.25/Ea

fisherbrand Digital Timer

Three-button ease and big-digit visibility.

- Timer counts down from 99 minutes, 59 seconds in second increments
- Quartz-crystal accuracy to 0.01%
- Resolution: 1 second
- Automatic memory resets the display to the last programmed time — ideal for repetitive tests
- 0.75 in. (1.9cm) high digits are readable from 20 ft. away

ORDERING INFORMATION:

L x W x H: 0.5 x 2.5 x 2.5 in. (1.3 x 6.4 x 6.4cm);
weight: 2 oz. (56.7g).

INCLUDES:

Two-year AAA battery, magnet, stand, clip and individually serial-numbered Traceable™ Certificate provided from ISO 17025 calibration laboratory accredited by A2LA™



CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

Cat. No.	Description	Price
S90861	Digital Timer	24.25/Ea

fisherbrand Traceable™ Big-Digit Timer/Stopwatch

Set four separate channels from 99 hours, 59 minutes, 59 seconds to one second. Fisherbrand™ Traceable™ Big Digit Timer/Stopwatch sounds an alarm when zero is reached and then starts counting up.

- Giant 0.75 in. (19mm) display for greater readability
- Features include count down, count up (stopwatch), time-out and time of day
- When zero is reached, alarm sounds and timer starts counting up
- All four channels may be used simultaneously in any combination of count down/count up
- Equivalent battery replacements are: RAYOVAC RW42, DURACELL D357, and EVEREADY 357.

ORDERING INFORMATION:

Dimensions: 2.75L x 2.5W x 0.5 in. H (7.0 x 6.4 x 1.3cm).

INCLUDES:

Silver Oxide battery

Cat. No.	Description	Price
S407992	Big-Digit Timer/Stopwatch	38.00/Ea



CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

fisherbrand Visual Alarm Timer

- Controlled with only three buttons
- Automatic memory resets the display to the last programmed time
- “Thru-zero” feature allows counting down, alarming and then counting up
- 0.38 in. (9.6mm) digits are readable from 10 ft. (3m)
- With stand, clip and integrated magnet
- Dimensions: 3 x 2.25 x 0.75 in. (7.6 x 5.7 x 1.9cm)

99-Minute Model

- Counts down from 99 minutes, 59 seconds in second increments

INCLUDES:

Stand, clip, integrated magnet, two AAA batteries



Cat. No.	Description	Price
S90205A	Visual Alarm Timer	20.50/Ea

fisherbrand Traceable™ Timer/Stopwatches

Remarkable timers with large display.

- Scale: Basic: 99 hours 59 min. 59 sec.
Advanced: 99 min. 59 sec. to 1 sec.
- Accuracy: 0.01%
- Alarms: 1 min.
- Count down from 99 minutes, 59 seconds
- Alarm can be turned off manually or automatically silenced after one minute
- Advanced model has a clock and memory



ORDERING INFORMATION:

Dimensions: 6.4L x 5.6W x 1.3cmH; weight: 1.5 oz. (42.5g).

INCLUDES:

Magnetic back, flip open easel stand, spring fastener slip, hole for use with a lanyard, battery, clock and memory

Cat. No.	Description	Price
S40711	Basic	38.00/Ea
S02316	Advanced	53.00/Ea

CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.

fisherbrand LCD Timer with Nano Counter

Displays countdown alarm time/stopwatch (count-up) time and time of day. Fisherbrand™ LCD Timer with Nano Counter includes memory feature for repetitive use, large, easy-to-read digits, clip, stand and magnet on back.

- Two timing channels, each with 23 hours, 59 minutes, 59 seconds capacity
- Clock works on AM/PM or 24-hour format
- 60-second loud alarm
- Memory feature for repetitive use
- Large, easy-to-read digits
- Clip, stand and magnet on back



ORDERING INFORMATION:

Dimensions: 2.5L x 2W x 0.88 in. H (6.4 x 5.1 x 2.2cm).

INCLUDES:

Two Year battery, clip, stand, magnet on back

Cat. No.	Description	Price
S90203	LCD Timer with Nano Counter	17.50/Ea

fisherbrand Water-Resistant, Shock-Resistant Stopwatch

NIST traceability assures quality and accuracy. Fisherbrand Water-Resistant, Shock-Resistant Stopwatch is a general-purpose, quartz LCD digital stopwatch with O-ring-sealed ABS plastic case and is ideal for rough use.

- Times to 24 hours with a resolution of 0.01 of a second
- Features single-action, time-out, cumulative split and continuous timing
- Displays time-of-day in date and the day of the week

CERTIFICATIONS:

Individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA™. It indicates traceability to standards provided by NIST™.



INCLUDES:

- Instructions
- Battery
- Lanyard

Cat. No.	Description	Price
S407997	Water and Shock-Resistant Stopwatch	21.00/Ea

fisherbrand Clip-On Stopwatch

Can hold keys or hook onto lab coat button hole.

- Stopwatch and chronograph modes
- Stopwatch reads times up to 24 hours
- Provides single action, time out, cumulative split and continuous timing.
- Resolution: 0.01 second
- Chronograph mode displays time of day in hours, minutes and seconds as well as AM/PM, date and day of the week
- Extra-tough ABS shockproof construction



ORDERING INFORMATION:

Dimensions: 2L x 1.5W x 0.75 in. H (5.1 x 3.8 x 1.9cm).

INCLUDES:

Battery

Cat. No.	Description	Price
S90207	Clip-On Stopwatch	13.75/Ea

fisherbrand Stopwatch/Chronograph

Reads times up to 24 hours and displays time-of-day.

Stopwatch

- Workhorse LCD digital stopwatch
- Provides single-action, time-out, cumulative-split, and continuous timing
- Resolution: 0.01 sec.

Chronograph

- Extra-tough ABS plastic shockproof construction
- Displays time-of-day in hours, minutes, and seconds, AM/PM, date, and day of the week
- With time-of-day alarm
- Ideal for lab and plant use



ORDERING INFORMATION:

Dimensions: 2.37 x 0.62 in. (6 x 1.5cm);

Weight: 1.5 oz. (42.5g)

INCLUDES:

Two-year always on battery, lanyard, chronograph with time-of-day alarm

Cat. No.	Description	Price
S63130	Stopwatch/Chronograph	10.25/Ea

Tools

Eisco Test Tube Holder

Test Tube Holder

Plated spring steel wire holder with finger grip. The jaws will accept tubes up to 40mm diameter and their alignment maintained by a wire collar.



- Plated spring steel wire with finger grip
- Overall length 16cm
- Jaws accept tubes up to 40mm diameter
- Alignment maintained by wire collar

Cat. No.	Description	Price
S23648	Test Tube Holder	1.35/Ea

Eisco Beaker Tongs

Standard beaker tongs to be used in a chemistry or biology labs.



- ¼ in. Nickel Plated Steel with Rubber Coated Ends
- Holds beakers from 50mL to 2000mL
- 23cm long
- Jaws 12cm long with 8cm rubber coated
- Jaws closed 6cm, open to 16cm

Cat. No.	Description	Price
S13948	Beaker Tongs	4.45/Ea

Eisco Flask Tongs

Give a firm grip to flasks of any shape from 100 to 2,000mL.



- Stainless steel
- Cork-lined rectangular jaws

Cat. No.	Description	Price
S50276A	Flask Tongs	13.00/Ea

Stainless-Steel Scissors,

Won't rust or corrode with repeated use.

- Made of high-quality corrosion-resistant stainless steel
- Precision ground on all surfaces
- Comfortable lightweight handles
- Size 5
- Pointed tips



Cat. No.	Description	Price
S173182	Pointed-Tip Scissors	10.75/Ea

Utility Shears

Cut through nearly anything.

- Fabricated from extremely hard stainless steel, scissors can cut through bones, tendons or any laboratory material
- Lever blade has a footplate to facilitate cutting between skin and bandages
- Length: 7.5 in. (18.8cm)



Cat. No.	Description	Price
S17898	Utility Shears	6.50/Ea

United Scientific™ Hardware Assortment Kit

Kit includes a variety of hardware items commonly used in a general science, physical science, or chemistry laboratory



- Designed for use by two to four students
- Shipped in a reusable storage box

ORDERING INFORMATION:

For complete kit contents, please call your Fisher Science Education™ Representative.

Cat. No.	Description	Price
S90312	Hardware Assortment Kit	125.00/Ea

United Scientific™ Lab Tools Kit

An assortment of the most commonly used lab tools is available as one convenient set.

The set contains one each of:

- Test tube brush
- Spatula
- Crucible tongs
- Test tube clamp
- Lab scoop
- Forceps



Cat. No.	Description	Price
S65106	Lab Tools Kit	16.00/Ea

United Scientific™ Chemistry Hardware Assortment Kit

Includes laboratory hardware most often used in general chemistry labs.

This set contains one each of:

- Beaker tong
- Burette clamp
- Burner tripod
- Pinchcock clamp
- Right angle clamp holder
- Clay pipe triangle
- Crucible tong
- Ring support with 4 in. (10.16cm) clamp
- Ring stand, 5 × 8 in. (12.7 × 20.32cm) base
- Test tube rack that holds six tubes
- Test tube tongs
- Wire gauze, 5 × 5 in. (12.7 × 12.7cm)



Cat. No.	Description	Price
S01974A	Chemistry Hardware Assortment Kit	76.00/Ea

Yellow Industrial Flashlight

- Durable enough for student use

REQUIRES:

Two D cell batteries (sold separately).



Cat. No.	Description	Price
S43915IN	Industrial Flashlight	13.50/Ea

Tubes

fisherbrand Locking-Lid Microcentrifuge Tubes with Polypropylene Snap-Cap™

Convenient, pierceable locking lids snap into place with one-handed operation.

- Polypropylene tubes with flat tops
- Ideal for sample-handling applications, including centrifugation, boiling and freezing of specimens, incubation and storage
- With graduation marks for volume estimation
- Centrifuges that develop excessive heat may damage these tubes.



Cat. No.	Capacity	Color	Max. Force	Price
S06499	0.6mL	Red	30000xG	269.00/Cs
S06498	0.6mL	Natural	30000xG	97.00/Pk
S06508	1.5mL	Natural	26000xG	49.00/Pk
S06512	1.5mL	Violet	26000xG	143.00/Cs
S06513	1.5mL	Assorted	26000xG	49.00/Pk
S06514	2mL	Natural	25000xG	61.50/Pk
S06519	2mL	Orange	25000xG	172.00/Cs
S06518	2mL	Yellow	25000xG	61.25/Pk
S06520	2mL	Violet	25000xG	186.00/Cs

United Scientific™ Micro Centrifuge Tubes, Rainbow Pack

Autoclavable tubes can be used in very low temperatures and with various organic solvents.



- Made from virgin polypropylene
- RNase, DNase and Pyrogen free for safe use in molecular biology and other biochemical applications
- Features connected snap cap, large molded-in graduations and frosted surface for easier writing
- Maximum RCF 20000
- Assortment includes 125 each of red, blue, yellow and green tubes

Cat. No.	Description	Price
S13082	Micro Centrifuge Tubes; Rainbow Pack	12.75/Pk

United Scientific™ Microcentrifuge Tubes

For safer use in molecular biology and other biochemical applications.

- Made from high-quality virgin polypropylene
- RNase-, DNase- and Pyrogen-free
- Include connected snap-cap, large molded-in graduations, and frosted surface for easier writing
- Autoclavable tubes for used in very low temperatures and with various organic solvents
- Maximum RCF 20000
- 1.5mL
- Natural
- O.D. x H: 13 x 41mm
- 500/Pk



Cat. No.	Description	Price
S12873	Microcentrifuge Tubes	9.25/Pk

fisherbrand Easy Reader™ Polypropylene Centrifuge Tubes



Imprinted clear black graduations ensure accurate readings. Fisherbrand™ Easy Reader™ Polypropylene Centrifuge Tubes provide exceptional chemical resistance in a variety of sizes.

- Nonpyrogenic
- Conical bottoms
- Large labeling area
- Choice of plug-seal or flat-top closures
- Sterile and nonsterile styles
- With black graduations and white marking area
- 15mL Tubes are graduated in 0.5mL subdivisions from 2 to 14.5mL
- 50mL Tubes are graduated in 5mL increments from 5 to 50mL



Cat. No.	Capacity Metric	Price
S35849	15mL	225.00/Cs
S35850	50mL	292.00/Cs

fisherbrand Graduated Conical-Bottom Tubes

Use in virtually any centrifuging application.

- Sterile polypropylene tubes
- Black graduations eliminate much of the eyestrain associated with reading tube graduations
- Large labeling area
- Leak- and chemical-resistant
- Maximum RCF of 6000 x g
- 15mL



INCLUDES: Plug seal

Cat. No.	Description	Price
S50712	Graduated Conical-Bottom Tubes	31.25/Pk

Culture Tubes with Rubber Lined Phenolic Caps

Mineral-filled cap to withstand repeated autoclaving.

- KIMAX™ KG-33 borosilicate glass
- Uniform wall thickness for maximum heat transfer and chemical resistance
- Screw Thread finish complies with Glass Packaging Institute (GPI) requirements
- Cap not attached
- Reusable

COMPLIANCE:

Designed from ASTM™ Specification E982, Type VI, Class A requirements



Cat. No.	Capacity	Diameter (Metric) Outer	Length (Metric)	Price
S00203	8mL	13mm	100mm	147.00/Cs
S00204	12mL	16mm	100mm	162.00/Cs
S00205	16mL	16mm	125mm	162.00/Cs
S00206	20mL	16mm	150mm	162.00/Cs
S00207	25mL	20mm	125mm	180.00/Cs
S00208	30mL	20mm	150mm	175.00/Cs
S00209	50mL	25mm	150mm	196.00/Cs

United Scientific™ Centrifuge Tubes

Identify your samples easily with these write-on tubes.

- Screw top with easy-to-read black graduations
- Sterile, conical bottom
- Working temperature range: 0° to 40°C (32° to 104°F)
- Package: 50 per foam rack



Cat. No.	Capacity	Packaging	Price
S99410	15mL	Rack	15.50/Pk
S99411	50mL	Bulk	13.00/Pk
S99412	50mL†	Bulk	15.50/Pk

†Self-standing

PYREX™ VISTA™ Culture Tubes with Phenolic Screw Caps

Functionality, economy and quality.

- Supplied with deep-form phenolic caps to facilitate handling and sealing after autoclaving
- Blue enamel marking spot provides excellent surface for pencil notations
- Pencil marks are easily erased
- Replacement caps available



Cat. No.	Capacity	Diameter (Metric) Outer	Length (Metric)	Price
S76112A	9mL	13mm	100mm	63.25/Pk
S76112B	11mL	16mm	100mm	278.00/Cs
S76112C	15mL	16mm	125mm	86.00/Pk
S76112D	20mL	16mm	150mm	68.75/Pk
S76112G	55mL	25mm	150mm	136.00/Pk

Test Tubes

15mL test tubes with blue screw caps

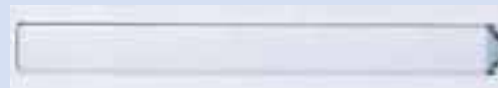
- Leak resistant and suitable for centrifugation up to 4000rcf
- Clarified polypropylene
- Graduated from 2 to 12mL with 2mL subdivisions
- Design of cap avoids any contamination due to drops of liquid on the inner surface
- Dimensions: 0.76 x 4.04 in. (1.93 x 10.26cm)



Cat. No.	Description	Price
S01983B	Test Tubes	31.25/Pk

fisherbrand Disposable Flint Glass Tubes with Plain End

Specially annealed to reduce breakage along stress point



- Round bottom
- Smooth top and bottom to prevent cuts
- O.D. x L: 13 x 100mm
- 250/tray

Cat. No.	Description	Price
S35900	Flint Glass Plain-End Tubes	112.00/Cs

Eisco Rimmed Borosilicate Glass Test Tubes

These borosilicate light walled rimmed test tubes have a strong resistance to heat and chemicals.

- Made from high quality borosilicate glass
- Round bottom
- Durable, resistant to heat and chemicals
- Glass wall thickness 1.0 to 1.2mm



Cat. No.	Capacity	Price
S28030	12x100mm	7.85/Pk
S28032	16x150mm	13.50/Pk
S28033	18x150mm	8.05/Pk
S28034	20x150mm	8.45/Pk
S28036	25x250mm	16.50/Pk

PYREX™ VISTA™ Test Tubes with Beaded Rim

Functionality, economy, and quality.

- Well-annealed
- Fire-polished rims
- Heat-resistant and chemically stable
- With blue marking spot (except 0.98 in. [25mm] O.D. tubes)



Cat. No.	Capacity	Diameter (Metric) Outer	Length (Metric)	Price
S76110E	3mL	10mm	75mm	21.75/Pk
S76110G	9mL	13mm	100mm	22.50/Pk
S76110H	14mL	15mm	125mm	29.25/Pk
S76110J	20mL	16mm	150mm	46.75/Pk
S76110K	27mL	18mm	150mm	56.75/Pk
S76110M	55mL	25mm	150mm	100.00/Pk

Test Tubes

Made from Kimax™ KG-33 glass tubing.

- Sturdy lip
- Uniform wall thickness for maximum heat transfer and chemical resistance

COMPLIANCE:

Glass meets Type 1, Class A, ASTM™ E-438 standards. Designed to ASTM Specification E982, Type I specification requirements.



Cat. No.	Capacity	Diameter (Metric) Outer	Length (Metric)	Price
S00179	10mL	13mm	100mm	39.50/Pk
S00183	28mL	18mm	150mm	48.25/Pk

Test Tubes with Lip and Marking Spot

Durable Kimax borosilicate tubes.

Quality glass test tubes with lip and ceramic enamel marking spot.



Cat. No.	Capacity	Diameter (Metric) Outer	Length (Metric)	Price
S30613A	28mL	18mm	150mm	101.00/Pk
S30614A	36mL	20mm	150mm	140.00/Pk

Plastic Test Tubes

An economical alternative to glass.

Plastic test tubes can be used in place of glass for most routine laboratory procedures.

Polypropylene tubes

- Can be centrifuged up to 3000rcf
- Autoclavable up to 120°C for 15 minutes
- Tolerate most common acids and solvents at room temperature

Polystyrene tubes

- Not autoclavable
- Can be centrifuged up to 1400rcf
- Tolerate aqueous solutions, mild bases and weak acids



ORDERING INFORMATION:

Sold in packs of 250.

Cat. No.	Material	Description	Price
S32169	Polystyrene	1400 × G	40.75/Pk
S32168	Polypropylene	3000 × G	23.75/Pk

SP Scienceware™ Test Tube Baskets with Lids

Perfect for dipping, transporting and storing test tubes.



- Polypropylene
- Can be used for transporting small lab animals

Cat. No.	Dimensions (L × W × H)	Price
S47848	6 × 6 × 6 in. (15.2 × 15 × 15.2cm)	46.50/Ea
S47849	9 × 9 × 9 in. (22.9 × 22.8 × 22.8cm)	53.00/Ea

Tubing

fisherbrand Vinyl Tubing and Connector Kit

Resist fruit acids, lye, alcohol, greases, and oils.



- Clear, flexible vinyl tubing
- Nontoxic and tasteless
- Can be used at temperatures from -33° to +100°C (-27° to +212°F) at low pressures
- Tensile strength: 2000psi (13.8MPa)
- Durometer hardness: Shore A, 65
- I.D. × O.D.: 0.312 × 0.437 in.

ORDERING INFORMATION:

One kit per pack

INCLUDES:

50 ft. (15.2m) of tubing, four autoclavable polypropylene connectors (one T, one elbow, one straight, and one Y), autoclavable polypropylene tubing clamp with 15-position flow control (Kits 14-174-1E and 14-174-1G have two clamps)

COMPLIANCE:

U.S. Pharmacopeia XIX, Class VI, and National Formulary Vol. 14 Standard
 FDA criteria: 178.3740, 178.2010, and 175.300 (Tubing only)

Cat. No.	Description	Price
S37107***	Vinyl Tubing & Connector Kit	36.00/Ea

fisherbrand Pressure/Vacuum Tubing

Pure natural rubber.



- Offered in red or black

Cat. No.	Color	Diameter (English) Inner	Diameter (Metric) Inner	Price
S50454	Black	1/4 in.	6.4mm	39.25/Ea
S50452	Red	1/4 in.	6.4mm	39.25/Ea
S50453	Black	0.19 in.	4.8mm	33.75/Ea

fisherbrand Clear Vinyl Tubing

Nontoxic, chemical-resistant, colorless and autoclavable.

- Inert tubing remains smooth and flexible
- Resists fruit acids, lye, alcohol, greases and oils
- Temperature range: -26° to +73°C (-14.8° to +163.4°F)
- Wall thickness: 0.06 in. (1.6mm)
- Length: 50 ft. (15.2m)



Cat. No.	Diameter (Metric) Inner	Price
S504561	3.2mm	18.25/Pk
S504571	4.8mm	22.25/Pk
S504581	6.4mm	19.50/Ea
S504591	9.5mm	29.00/Pk
S504601	13mm	48.25/Ea

Latex Tubing

Latex tubing with 1.6mm thick wall.

- Length: 3.6m (11.8 ft.)



Cat. No.	Diameter (English) Inner	Diameter (Metric) Inner	Price
S50616A	0.188 in.	4.8mm	608.00/Pk
S50617A	1/4 in.	6.35mm	608.00/Pk

Eisco Bunsen Burner Hose

Connects burner to fuel source such as natural gas or liquid propane.

- Both ends of hose designed to fit gas inlet diameters of 8 to 10mm
- 0.9m (3 ft.)



Cat. No.	Description	Price
S24487	Bunsen Burner Hose	20.00/Ea



* California - WARNING: Cancer www.P65Warnings.ca.gov
 ** California - WARNING: Reproductive Harm www.P65Warnings.ca.gov
 *** California - WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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