



# Greiner Bio-One Bioscience Product Catalog

Made specifically for use by Fisher Scientific.

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### Company History

Greiner Holding AG was founded in 1868 in Nürtigen, Germany by Carl and Emilie Greiner. The company began as a manufacturer of cork stoppers and closures. Their products were so highly sought after that the company grew quickly.

Over the years, Greiner's expertise expanded from cork to foam and plastic and from manufacturing to engineering, design and precision production.

Today, Greiner Holding AG is a world leader in innovation, engineering and manufacturing. The Greiner Group is present in 31 countries, with 132 sites and more than 9,722 employees and annual revenues in excess of \$1.4 billion. Although the face of Greiner has changed since its humble beginnings, Greiner's dedication to providing affordable solutions with superior quality and unsurpassed performance remains the same.

Greiner Bio-One North America, Inc. is a subsidiary of Greiner Bio-One GmbH which is globally recognized as a leader in the manufacturing arena and is part of the Greiner Group. Products for the Preanalytics, Bioscience and OEM divisions are manufactured here and shipped throughout North America.

### Bioscience Division

Greiner Bio-One was specifically created with the introduction of the first plastic petri dish in 1963 and is now a leading technology partner to academia, research establishments, diagnostic, pharmaceutical, and the biotechnology and healthcare industries. The Bioscience product range provides innovative plastic solutions for high-throughput screening and protein coated cell culture and tissue culture products for diagnostic screening and drug development. These products can be seen in research and academic labs, as well as, General Labware products being available to the healthcare field.

In addition to laboratory consumables, the Bioscience division stays at the forefront of new technologies by providing solutions for applications such as 3D cell culture, small laboratory equipment, and mass cell culture.

### Preanalytics Division

Greiner Bio-One was among the first companies to pioneer safer, more economical plastic medical devices, introducing the world's first plastic evacuated blood collection tubes in 1985. The Preanalytics product range for blood and specimen collection is now leading the way in innovations such as venous blood collection tubes with significantly lower draw volumes.

In 2003, Greiner Bio-One launched the **VACUETTE®** line of safety products. Since that time, the Preanalytics division has grown substantially year after year in both **VACUETTE®** collection and safety devices. This is due to high product performance and unmatched training and customer support, serving a wide range of customers such as hospitals, physician offices, veterinary and reference laboratories.

### OEM Division

In addition to our Bioscience and Preanalytic divisions, there is also an OEM or Original Equipment Manufacturing division which provides customers with custom made solutions to suit their needs. Our OEM group is happy to discuss ideas and create the perfect solution to the customers individual needs and specifications.

### Quality Assurance and Control

We have a control system which monitors the physical, chemical and biological quality of our products. The checking of quality starts with the incoming raw material, is continued in the production processes and ends with the dispatch of the finished product. Strict controls, conducted according to the legal provisions and specific standards, accompany the product. Ongoing quality training ensures that our employees are informed about the applications of our products and the quality requirements placed on them.

All products can be traced back to their production period, machine operators and tools, all the way back to the starting materials used.

### Conclusion

At Greiner Bio-One, we understand that confidence and trust in your suppliers is critical. With that in mind, we are committed to manufacturing to the highest quality standards possible and ensuring that we understand the customers needs and expected outcomes.

Our top-notch Customer Service Department has earned a 100% approval rating from customers in the past 3 years and it is our goal to continue to offer the best possible customer experience at all times.

# Greiner Bio-One Brands

## Advanced TC™

A novel polymer modification changes the surface in such a way as to increase primary and long-term adhesion of cell cultures and positively influences cell-dependant features and functions.

## AMPLiseal™

A transparent 500 µm polypropylene sealing film coated with an acrylate adhesive, AMPLiseal™ is noted for low autofluorescence, particularly at wavelengths critical for Real Time PCR. Strong adherence provides reliable microplate sealing to minimize evaporation without influencing PCR reactions or fluorescence measurements.

## CELLCOAT®

Protein coated culture vessels for adherent cell culture. Our CELLSTAR® product family is coated with Collagen Type I, Poly-D-Lysine or Poly-L-Lysine. Custom coatings are available by special request.

## CELLdisc™

Multi-layer cell culture format that is easy to use and promotes scalability from research to commercial-scale applications.

## CELLMASTER™

Sterile roller bottles made of either Polystyrene, which is TC treated, or Polyethylene terephthalate (PET), which is not TC treated.

## CELLreactor™

A filter top tube that can be used as a small bioreactor for suspension and spheroid cell culture, facilitating miniaturization of large scale setups and maximizing the number of parallel experiments.

## CELLSTAR®

Sterile cell culture vessels for adherent and suspension cultures. CELLSTAR® products for adherent cultures are physically modified to incorporate polar groups, such as carboxy and hydroxy groups into the plastic surface, making it hydrophilic. This significantly improves the adhesion of cells and the binding of proteins to the plastic surface. CELLSTAR® products for suspension culture are not modified and thus retain the natural hydrophobic properties of polystyrene.

## CELLSTAR® Cell-Repellent Surface

A new surface chemistry to effectively inhibit cell adhesion. The low cell attachment characteristic is achieved through an innovative chemical polymer modification that does not degrade or leach under common cell culture conditions.

## CELLview™

Imaging dishes, slides, and microplates with cover glass bottom to provide optimal parameters for your sophisticated microscopic applications.

## ComboPlate™

Developed with Hampton Research as a universal platform for crystallization in a 24 well format, the ComboPlate™ has an automation-friendly footprint. The CrystalBridge™ for sitting drop and round glass coverslips for hanging drop crystallization are available for use with the ComboPlate™.

## Cryo.s™, Datamatrix Cryo.s™, and Biobanking Tubes

Sterile vials for cryogenic storage of cells, tissue and other solutions and samples. Available barcoded and with datamatrix code.

## CrystalQuick™

High Throughput protein crystallization plates enabling sitting drop crystals in a 96 well plate format. Available with square-round well-top, flat bottom or round well-top, round bottom crystallization wells. Low Birefringent (LBR) versions are available for polarized-light imaging.

## CrystalQuick™ Plus

Our CrystalQuick™ plates with a modified hydrophobic surface, which are particularly well suited for nano liter crystallization of cell membrane proteins. Also available in LBR versions.

## CrystalSlide™

A plastic 12 micro-channel platform for Counter Diffusion Crystallography within a standard microscope slide format. Automated handling is facilitated by housing four slides in a slide holder with standard microplate footprint. Superior material properties render excellent suitability for *in-situ* X-ray data collection and structure determination and crystal analysis under polarized or UV-light.

## EASYseal™

An adhesive-based plate sealer for everyday laboratory applications.

## EASYstrainer™ Cell Strainer

For filtration of Cell Suspensions and Primary Cell Isolates.

## FLUOTRAC™

Immunological products made of black polystyrene for fluorescence measurements. Available in high and medium bind formats.

## Leucosep™

Highly translucent polypropylene tubes (12 mL & 50 mL) with a high grade polyethylene porous barrier incorporated into the tube. This prevents mixing of the sample material and the separation medium as well as recontamination after separation. Available as unfilled and pre-filled tubes.

## LUMITRAC™

Immunological products made of white polystyrene for luminescence measurements. Available in high and medium bind formats.

## MASTERBLOCK®

Deep well, polypropylene microplates ideal for storage of active agents, patient samples, biomolecules and reagents. Available in 96 well (0.5, 1, and 2 mL), 384 well (240 µL) and 1536 well (18 µL) formats.

## MICROLON®

Immunological products made of clear polystyrene for transmission measurements. Available in high and medium bind formats.

## OncoQuick®

A sterile 50 mL polypropylene tube with a porous barrier inserted above the specially developed separation medium for the enrichment of disseminated, circulating tumor cells from peripheral blood.

## Sapphire

A product family comprising a full line of PCR reaction vessels, as well as, standard, filter, and low retention pipette tips.

## SCREENSTAR Microplates

Developed for new applications in high-content screening and high-resolution microscopy in drug discovery and research. Manufactured entirely of cycloolefin, these microplates reduce optical distortions and have a recessed cycloolefin film bottom to enable imaging of perimeter wells.

## SensoPlate™

24, 96, 384, 384 Small Volume™ and 1536 well microplates with optically clear, borosilicate 175 µm glass bottoms, suitable for transmission measurements down to 350 nm. The adhesive used to mount the glass bottoms contains the lowest possible autofluorescence. For sensitive or transformed cell lines, it may be necessary to pre-coat glass bottom plates with synthetic or natural proteins such as Poly-Lysine or Collagen.

## SILVERseal™

An aluminum foil, acrylate adhesive-based plate sealer that is pierceable and temperature resistant. Ideal for storage of sample material and active agents and standard PCR.

## ThinCert™

Tissue culture inserts for multiwell plates consisting of polystyrene housings and sealed PET capillary pore membranes. Assorted pore sizes and densities for applications including transportation, diffusion and secretion studies, invasion and migrational experiments, cytotoxicity testing, co-cultures, Trans Epithelial Electric Resistance (TEER) measurements, as well as primary cell culture.

## µClear®

A processing technique for production of microplates with ultra-thin transparent film bottoms, without the use of adhesives or solvents which eradicates the risk of leaking wells. The µClear® film has exceptionally low autofluorescence and extends the wavelength range down to 340 nm.

## UV-Star®

By combining the patented µClear® process technology to an innovative UV-transparent material, Greiner Bio-One has created microplates in 96, 96 Half-Area and 384 well formats with extended transmission ranges down to at least 230 nm.

## VIEWseal™

A non-tacky, pressure sensitive, highly transparent plate sealer for precise optical measurements. Ideal for real-time PCR and protein crystallography.

## m3d Biosciences

Magnetic system for 3D Cell Culture, either by levitation or bioprinting, within dishes, multiwells and microplates. Enables mimicking of native tissue environment with rapid 3D formation within hours.

## Product Quality & Barcode Service

Where indicated, Greiner Bio-One products are:

### Free of detectable DNase, RNase and human DNA

DNases and RNases are essential and ubiquitous enzymes which protect the living organism against the invasion of foreign DNA and foreign RNA. DNases and RNases are cell components which also occur in body fluids. Because of the great potential for transmission (e.g. skin, hair, etc.), overall, gloves and hairnets are worn in all production areas. The most sensitive method available, the PCR method, is used to check for contamination with DNase, RNase or human DNA. DNase, RNase and human DNA free products are labeled in our catalog.

Free of detectable  
DNase, RNase,  
human DNA

### Free of endotoxins

Endotoxins are complex lipopolysaccharides which are components of the outer membrane of gram-negative bacteria. These substances are the most widespread and effective members of a group of so-called pyrogens that cause fever in humans. The LAL assay (Limulus Amoebocyte Lysate) used to test for freedom from endotoxins complies with the FDA guidelines for medical products (12/87). Greiner Bio-One works with the sensitive detection limit of  $\leq 0.06$  EU/mL. Endotoxin-free products are labeled in our catalog. (The US Pharmacopoeia guidelines stipulate that eluates from medical devices [e.g. washing liquids from consumable materials] must show endotoxin levels of  $< 0.5$  EU/mL. For materials that come into contact with cerebrospinal fluid, a level of  $< 0.06$  EU/mL is required.)

non-  
pyrogenic

### Sterile

The validation of our products is conducted in accordance with ISO 11137. Related to this standard, the bioburden (germ level) is established for each product and periodically repeated. Based on this data the necessary sterilization process is conducted. Products labelled as sterile are routinely monitored. In-Vitro Diagnostic and Medical Devices appear with an SAL (Sterility Assurance Level) of  $10^{-6}$ , other sterile products meet an SAL of  $10^{-3}$ .

### Binding Properties of immunological products

The binding properties of all immunological products are tested based upon ELISA. The limits of the CV of our products are as follows: MICROLON® CV  $< 5\%$ ; FLUOTRAC™ and LUMITRAC™ CV  $< 10\%$ . We provide these products with a shelf life of 4 years for the binding characteristics.

### Cell compatibility of cell culture products

The quality of cell culture products is validated with different cell lines. Relevant parameters like morphology, cell growth and cell vitality are monitored. More detailed information about the shelf life of our cell culture products is listed in the product data sheets on our website.

### Free of cytotoxicity

In many experiments, toxic effects on cells or tissue cultures play an important role particularly in the field of *in vitro* diagnostics. The relevant culture vessels and all objects that come into direct contact with the cells and tissues must therefore be free of cytotoxic substances (All cell culture relevant end products are checked for freedom of cytotoxicity). The detection of cytotoxicity is evaluated with mammalian cells according to EN ISO 10993.

non-  
cytotoxic

## Barcode Service:

When large quantities of samples and information are being processed, automated identification offers an efficient means of organization and management. The application of individual linear barcodes on microplates or Cryo.s™ represents an expedient method of facilitating identification, handling and storage of biological and medical samples. Machine-readable labels with linear barcodes can be implemented in any workflow system. The risk of manual transcription errors as well as the time and cost involved with sample management is thereby decreased.



## Linear Barcoding of Microplates and Cryo.s™

### Barcoded Microplates:

- Adhesive labels in different sizes
- Automated processes can be used to attach labels at given specifications on outer perimeter microplate sidewalls
- The product options include 96, 384 or 1536 well microplates made of polypropylene, polystyrene, cycloolefin and other materials
- Linear and Datamatrix Code options
- Labels are resistant to solvents, temperature fluctuations and smudging. Reading accuracy is guaranteed
- Low minimum order requirement

### Cryo.s™ with Datamatrix and Linear Code and Biobanking Tubes

- Large data capacity
- Laser-written for improved durability and resistance to mechanical strain and chemicals
- Compatible with automated liquid handling and de-/re-capping systems
- Datamatrix is readable with up to 22% of code deteriorated





## Cryo.s™ Cryogenic Storage Vials

- Sterile, free of detectable endotoxins, non-cytotoxic
- Available in a variety of sizes
- Supplied with a internal thread for 1 mL, 2 mL and 5 mL or an external thread for 2mL and 4 mL
- Starfoot base versions facilitate single hand opening and closing with 40 position rack
- Available with white scratch-resistant writing area
- Pigmented screw caps enable easy identification of samples for organized storage
- Cryo.s™ meets the pressure requirements for transportation by aircraft
- Additional white Cryo.s™ Cap inserts available 50 per case as 304171P

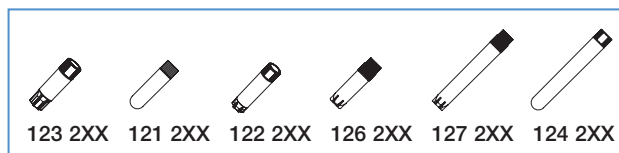
Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

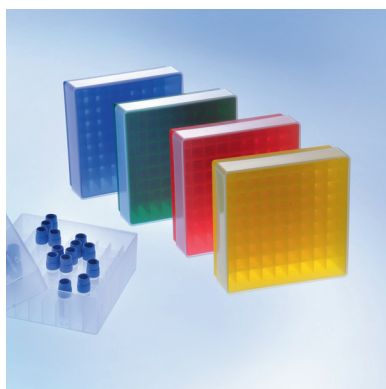
non-  
cytotoxic

For freezing samples Greiner Bio-One offers a user-friendly system that includes a variety of different CE-marked Cryo.s™ with an appropriate support rack.

Cryo.s™ are suitable for frozen or vapor phase liquid nitrogen storage of cell cultures, tissue samples, microbiological samples (e.g. viruses, bacteria, yeast and other fungi, spores), material of human or animal origin, such as blood, serum and sperm as well as antibodies, RNA, DNA and protein samples. (Cryo.s™ are not intended for sample storage within reproductive medicine)

Fisher Cat. No.	GBO Cat. No.	Volume (mL)	Tube Thread	Bottom Shape	Self Standing	Cap Color	ID Field	Star Foot	Silicone Gasket	# of Cap Inserts	Sterile	Pack Qty	Case Qty	
07-000-248	123261	1	Internal	Conical	Yes	Clear	No	Yes	Yes	150	Yes	100	500	
07-000-247	123263	1	Internal	Conical	Yes	Clear	Yes	Yes	Yes	150	Yes	100	500	
07-000-250	123277	1	Internal	Conical	Yes	Green	Yes	Yes	Yes	150	Yes	100	500	
07-000-252	123278	1	Internal	Conical	Yes	Yellow	Yes	Yes	Yes	150	Yes	100	500	
07-000-249	123279	1	Internal	Conical	Yes	Blue	Yes	Yes	Yes	150	Yes	100	500	
07-000-251	123280	1	Internal	Conical	Yes	Red	Yes	Yes	Yes	150	Yes	100	500	
07-000-267	121261	2	Internal	Round	No	Clear	No	No	Yes	150	Yes	100	500	
07-000-255	121263	2	Internal	Round	No	Clear	Yes	No	Yes	150	Yes	100	500	
07-000-254	121277	2	Internal	Round	No	Green	Yes	No	Yes	150	Yes	100	500	
07-000-431	121278	2	Internal	Round	No	Yellow	Yes	No	Yes	150	Yes	100	500	
07-000-253	121279	2	Internal	Round	No	Blue	Yes	No	Yes	150	Yes	100	500	
07-000-256	121280	2	Internal	Round	No	Red	Yes	No	Yes	150	Yes	100	500	
07-000-274	122261	2	Internal	Round	No	Clear	No	Yes	Yes	150	Yes	100	500	
07-000-271	122263	2	Internal	Round	Yes	Clear	Yes	Yes	Yes	150	Yes	100	500	
07-000-432	122272	2	Internal	Round	Yes	Orange	Yes	Yes	Yes	150	Yes	100	500	
07-000-270	122277	2	Internal	Round	Yes	Green	Yes	Yes	Yes	150	Yes	100	500	
07-000-273	122278	2	Internal	Round	Yes	Yellow	Yes	Yes	Yes	150	Yes	100	500	
07-000-269	122279	2	Internal	Round	Yes	Blue	Yes	Yes	Yes	150	Yes	100	500	
07-000-272	122280	2	Internal	Round	Yes	Red	Yes	Yes	Yes	150	Yes	100	500	
07-000-258	126261	2	External	Round	Yes	Clear	No	Yes	No	150	Yes	100	500	
07-000-257	126263	2	External	Round	Yes	Clear	Yes	Yes	No	150	Yes	100	500	
07-000-434	126277	2	External	Round	Yes	Green	Yes	Yes	No	150	Yes	100	500	
07-000-435	126278	2	External	Round	Yes	Yellow	Yes	Yes	No	150	Yes	100	500	
07-000-436	126279	2	External	Round	Yes	Blue	Yes	Yes	No	150	Yes	100	500	
07-000-259	126280	2	External	Round	Yes	Red	Yes	Yes	No	150	Yes	100	500	
07-000-437	127261	4	External	Round	Yes	Clear	No	Yes	No	100	Yes	50	300	
07-000-438	127263	4	External	Round	Yes	Clear	Yes	Yes	No	100	Yes	50	300	
07-000-261	127277	4	External	Round	Yes	Green	Yes	Yes	No	100	Yes	50	300	
07-000-439	127278	4	External	Round	Yes	Yellow	Yes	Yes	No	100	Yes	50	300	
07-000-260	127279	4	External	Round	Yes	Blue	Yes	Yes	No	100	Yes	50	300	
07-000-440	127280	4	External	Round	Yes	Red	Yes	Yes	No	100	Yes	50	300	
07-000-263	124261	5	Internal	Round	No	Clear	No	No	Yes	100	Yes	50	300	
07-000-262	124263	5	Internal	Round	No	Clear	Yes	No	Yes	100	Yes	50	300	
07-000-266	124273	5	Internal	Round	No	Red	Yes	No	Yes	100	Yes	50	300	
07-000-264	124274	5	Internal	Round	No	Blue	Yes	No	Yes	100	Yes	50	300	
07-000-265	124275	5	Internal	Round	No	Green	Yes	No	Yes	100	Yes	50	300	
07-000-433	124276	5	Internal	Round	No	Yellow	Yes	No	Yes	100	Yes	50	300	
07-000-984	304171P	Cap Insert for Cryo.s					White						50	50





### Cryo Storage Box For Cryo.s™ Sample Tubes

- 9x9 division holds 81 Cryo.s™ sample tubes
- Opaque appearance of lid for optimum visibility of box content
- Venting holes for facilitated air exchange between interior and exterior
- Easy lid removal
- Temperature and shock-resistant polypropylene for a storage temperature range of -90°C ~ 121°C

The Cryo Storage Box fits all 1 and 2 mL Cryo.s™ with internal and external thread. It is compatible with standard LN2 containers and metal racks.

Fisher Cat. No.	GBO Cat. No.	Description	Color	Bag Qty	Case Qty
07-000-081	802202	Cryo Storage Box, lid clear	Clear	5	20
07-000-246	802203	Cryo Storage Box, lid clear	Red	5	20
07-000-245	802204	Cryo Storage Box, lid clear	Blue	5	20
07-000-935	802206	Cryo Storage Box, lid clear	Yellow	5	20
07-000-936	802225	Cryo Storage Box, lid clear	Green	5	20
07-000-984	304171P	Cap inserts for Cryo.s	White	50	50



### Cryo Support Rack

- Suitable for Cryo.s™ with starfoot base (Cat. No. 122 XXX, 123 XXX, 126 XXX, 127 XXX)
- Improved handling since the tubes can be opened with one hand
- Rubber base to prevent slipping
- Offers space for up to 40 Cryo.s™

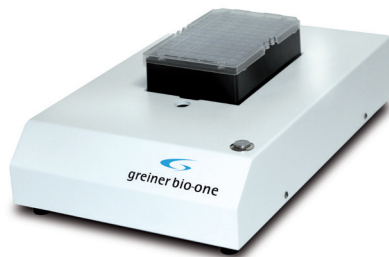
Fisher Cat. No.	GBO Cat. No.	Description	Color	Bag Qty	Case Qty
07-000-268	802501	Support Rack for Cryo.s, 40 position with lock star for foot	Blue	1	1

## Greiner Bio-One Your Partner for Biobanking

With more than 30 years of experience in the field and continuous product development; Greiner Bio-One now offers a comprehensive range of state-of-the-art solutions for large biorepository cryo storage. Certified according to ISO 9001 and ISO 13485, Greiner Bio-One manufactures in an ISO class 8 clean room, employing the highest standards in production hygiene, polymer selection and quality control.

### Product Purity and Sterility

- Sterility assurance level 10<sup>6</sup>
- ISO 11137 sterilization procedure
- No human DNA (real time PCR)
- No DNase (real time PCR)
- X-ray (48 way) or E-beam (96 way)
- No heavy metals contained
- No endotoxins (limulus amoebocyte lysate test)
- No RNase (reverse real time PCR)
- Non cytotoxic (ISO 10993)



### Cryo.s™ Rack Scanner

- Scans and decodes one rack in 8-10 seconds
- Decodes 2D codes on Cryo.s™ with Datamatrix in 48 way racks and Cryo.s™ Biobanking tubes in 96 way racks
- Optional rack identification based on rack-integrated datamatrix code
- One touch scan button, single tube scan feature
- Anti-fog treatment on inside scanning surface

Fisher Cat. No.	GBO Cat. No.	Description	Box Contains
	849050**	Cryo.s Rack Scanner, US edition	1 scanner, power cables, USB cables, drivers and manual

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



### Cryo.s™ 8-Channel Handheld Decapper

- Ergonomic design
- Reliably decaps and caps eight Cryo.s™ Biobanking tubes in parallel
- Stable stand for storage of device and contamination-free parking of screw caps
- Eight individual motors for precise application of 7 Ncm torque for tube closure
- Power-saving mode for longer operating time in wireless mode

Fisher Cat. No.	GBO Cat. No.	Description	Box Contains
07-000-959	852070	Cryo.s 8-channel Handheld Decapper	1 decapper, power cable, stand, manual





### Cryo.s™ with Datamatrix and Linear Code Datamatrix Coding Service for Cryogenic Storage Tubes

- Zero leachate polypropylene, medical grade and USP class VI certified
- Medical grade silicone gasket
- Laser-written ECC200 Datamatrix
- Reed-Solomon error correction for high redundancy of encrypted information
- Strong resistance to mechanical and chemical damage
- High data capacity
- Each Datamatrix is proof-scanned
- Sequential sample IDs or consistent characters
- Availability of four different tube sizes

Cryo.s™ with Datamatrix may be ordered either **off the shelf** or **on demand** with predefined or customized number sequences, respectively. Cryo.s™ tubes ordered off the shelf carry Datamatrix codes chosen from a sequence pre-defined by Greiner Bio-One. Each code is unique and will not be found on any other cryogenic tube from Greiner Bio-One. All customized orders are processed via order form F071 004 Order form Cryo.s™ with Datamatrix. Minimum order amount: one (1) original carton.

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Description Cryo Tube	Description 2D Barcode	Packaging Unit
07-000-275	1222632-DG	2 mL Cryo.s with internal thread	14x14 Datamatrix, sequence: G200000001, G200000002, ...	500 per box
07-000-978	1232632-DG	1 mL Cryo.s with internal thread	14x14 Datamatrix, sequence: G300000001, G300000002, ...	500 per box
07-000-979	1262632-DG	2 mL Cryo.s with external thread	14x14 Datamatrix, sequence: G600000001, G600000002, ...	500 per box
07-000-276	1272632-DG	4 mL Cryo.s with external thread	14x14 Datamatrix, sequence: G700000001, G700000002, ...	300 per box



### Datamatrix Cryo Rack Rack for 48 Cryo.s™ with Datamatrix

- 48 Way ANSI/SLAS I-2004 standard footprint rack for ease of automated handling
- Scanning windows in rack bottom for scanning without tube removal
- Customized barcoding available upon request
- Stackable
- Temperature resistant polypropylene or polycarbonate with a temperature range of -196°C ~ +30°C
- Choice of rack configurations:
  - Rack without lid for 1 mL, 2 mL, 4 mL and 5 mL Cryo.s™ – 30.0 mm high
  - Rack with small lid for 1 mL and 2 mL Cryo.s™ – 52.5 mm high
  - Rack with high lid for 4 mL and 5 mL Cryo.s™ – 88.5 mm high

Fisher Cat. No.	GBO Cat. No.	Description	Capacity	Rack/Lid	Rack Color	Lid Color	Case Qty
07-000-343	803202	Datamatrix Cryo Rack, with small translucent lid	48 way	PP	Black	Neutral	20
07-000-342	803270	Datamatrix Cryo Rack, with high translucent lid	48 way	PP	Black	Neutral	15
07-000-939	803277	Datamatrix Cryo Rack, without lid	48 way	PP	Black	Neutral	20
07-000-937	802506	81 way box w/high profile lid	81 way	PC	Black	Neutral	10
07-000-938	802576	81 way box w/ low profile lid	81 way	PC	Black	Neutral	10



## 96 way Cryo.s™ with Datamatrix Code Datamatrix Coding Service for Cryogenic Storage Tubes

- Height-reduced screw cap conserves up to 30% freezer space
- Ultra-sharp 2D code
- Tube and cap made of polypropylene
- Zero leachate polypropylene, medical grade and USP class VI certified
- Medical grade silicone1 gasket
- ANSI/SLAS 1-2004 standard footprint rack for ease of automated handling

Cryo.s™ with Datamatrix may be ordered either **off the shelf** or **on demand** with predefined or customized number sequences, respectively. Cryo.s™ tubes ordered off the shelf carry Datamatrix codes chosen from a sequence pre-defined by Greiner Bio-One. Each code is unique and will not be found on any other cryogenic tube from Greiner Bio-One. All customized orders are processed via order form F071 004 Order form Cryo.s™ with Datamatrix. Minimum order amount: one (1) original carton. Products listed below have a writing area and natural screw cap.

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

### Overview product versions and features

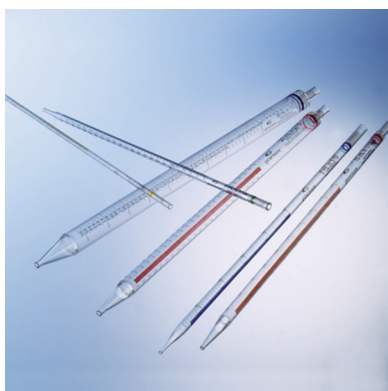
	300 µL tube, pre-racked in 96-way rack	300 µL tube, pre-racked in 96-way rack	600 µL tube, pre-racked in 96-way rack	600 µL tube, pre-racked in 96-way rack	1000 µL tube, pre-racked in 96-way rack	1000 µL tube, pre-racked in 96-way rack	96 screw caps in cap carrier
Working volume* [µL]:	235	235	580	580	975	975	-
Total rack height with lid on [mm]:	21.6	21.6	36.2	36.2	53.9	53.9	-
Packaging size [qty./case]:	960 tubes/ 10 racks	960 tubes/ 10 racks	960 tubes/ 10 racks	960 tubes/ 10 racks	960 tubes/ 10 racks	960 tubes/ 10 racks	960 caps/ 10 cap carriers
Sterility:	sterile	non-sterile	sterile	non-sterile	sterile	non-sterile	non-sterile
Coding:	Pre-produced 2D code on tube, 2D code and linear barcode on rack						

### Ordering information (REF numbers)\*\*

Product description:	300 µL tube, pre-racked, sterile	300 µL tube, pre-racked, non- sterile	600 µL tube, pre-racked, sterile	600 µL tube, pre-racked, non-sterile	1000 µL tube, pre-racked, sterile	1000 µL tube, pre-racked, non- sterile	96 screw caps in cap carrier, non-sterile
- Non-capped:	-	976570	-	977570	-	978570	-
• Natural cap:	976561	976580	977561	977580	978561	978580	385270
• Green cap:	976566	976586	977566	977586	978566	978586	385276
• Yellow cap:	976565	976585	977565	977585	978565	978585	385275
• Blue cap:	976564	976584	977564	977584	978564	978584	385274
• Red cap:	976563	976583	977563	977583	978563	978583	385273
• Pink cap:	976568	976588	977568	977588	978568	978588	385278
• Brown cap:	976569	976589	977569	977589	978569	978589	385279
• Black cap:	976567	976587	977567	977587	978567	978587	385277
Rack Only:		976501		977501		978501	

\* Working volumes indicate the maximum volume of sample which may be frozen in the tube without the risk of excessive pressure inside the tube. Please note that if distilled water is frozen (e.g. for testing purposes), ice plugs may form with yet unfrozen water entrapped below. During freezing the entrapped water will expand and apply pressure onto the tube wall; hence, the tube may develop fissures. This phenomenon is not observed with any common sample type such as blood, serum, cell suspension and buffered solutions of DNA or other extracts. In order to securely avoid contact of the frozen sample with the lower portion of the screw cap, it is recommended to not fully exploit nominal working volumes. Some sample types tend to form air bubbles entrapped in the frozen material, thus contributing to the total sample volume. It is recommended to empirically determine and apply suitable maximum working volumes with these sample types.

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



## Serological Pipettes Individually Packaged, Paper/Plastic Wrap

- Paper/plastic packaging permits peel-off and break-through function
- Fine line graduation printing contributes to accuracy of at least +/- 2%
- Negative graduations provide increased volume versatility
- Reverse (ascending and descending) graduations on 5, 10, 25 and 50 mL pipettes
- Synthetic filter and color-coded according to international convention
- Lot number and best before date on each individual wrap

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Volume (mL)	Graduations (mL)	Color Code	Negative Graduations	Ascending / Descending Graduations	Material	Sterile	Individually Packaged	Pack Qty	Case Qty
07-000-362	604181	1	1/100	Yellow	0.25 mL	No	PS	Yes	Yes	200	1000
07-000-377	710180	2	1/100	Green	0.5 mL	No	PS	Yes	Yes	200	1000
07-000-370	606180	5	1/10	Blue	2.5 mL	Yes	PS	Yes	Yes	50	200
07-000-376	607180	10	1/10	Orange	3.0 mL	Yes	PS	Yes	Yes	50	200
07-000-366	760180	25	2/10	Red	10.0 mL	Yes	PS	Yes	Yes	50	200
07-000-371	768180	50	1/2	Purple	10.0 mL	Yes	PS	Yes	Yes	20	100



## Serological Pipettes Individually Packaged, Plastic/Plastic Wrap

- Plastic/plastic packaging permits peel-off function that provides user-friendly easy opening and aseptic pipette removal, reduced contamination risk and particulate-free opening
- Fine line graduation printing contributes to accuracy of at least +/- 2%
- Negative graduations provide increased volume versatility
- Reverse (ascending and descending) graduations on 5, 10, 25 and 50 mL pipettes
- Synthetic filter and color-coded according to international convention
- Lot number and best before date on each individual wrap

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Volume (mL)	Graduations (mL)	Color Code	Negative Graduations	Ascending / Descending Graduations	Material	Sterile	Individually Packaged	Pack Qty	Case Qty
07-000-364	604160	1	1/100	Yellow	0.25 mL	No	PS	Yes	Yes	50	1000
07-000-369	710160	2	1/100	Green	0.5 mL	No	PS	Yes	Yes	50	1000
07-000-373	606160	5	1/10	Blue	2.5 mL	Yes	PS	Yes	Yes	50	200
07-000-375	607160	10	1/10	Orange	3.0 mL	Yes	PS	Yes	Yes	50	200
07-000-367	760160	25	2/10	Red	10.0 mL	Yes	PS	Yes	Yes	50	200
07-000-372	768160	50	1/2	Purple	10.0 mL	Yes	PS	Yes	Yes	20	100

See page 58 for the Sapphire Pipette Controller.



## Serological Pipettes Bulk Packaged

- Durable bulk packaging helps eliminate bag puncture and zip-lock closure helps maintain product sterility
- Fine line graduation printing contributes to accuracy of at least +/- 2%
- Negative graduations provide increased volume versatility
- Reverse (ascending and descending) graduations on 5, 10, and 25 mL pipettes
- Synthetic filter and color-coded according to international convention
- Lot number and best before date on each bulk pack

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Volume (mL)	Graduations (mL)	Color Code	Negative Graduations	Ascending / Descending Graduations	Material	Sterile	Individually Packaged	Pack Qty	Case Qty
07-000-365	604107	1	1/100	Yellow	0.25 mL	No	PS	Yes	Yes	25	1000
07-000-788	710107	2	1/100	Green	0.5 mL	No	PS	Yes	Yes	25	1000
07-000-374	606107	5	1/10	Blue	2.5 mL	Yes	PS	Yes	Yes	25	500
07-000-363	607107	10	1/10	Orange	3.0 mL	Yes	PS	Yes	Yes	25	500
07-000-368	760107	25	1/2	Red	10.0 mL	Yes	PS	Yes	Yes	25	200



## Serological Pipettes Shorties and special models

- 4½" shorter than the standard length Pipettes
- Ideal for working under bench top hoods and significantly reducing hand/wrist fatigue
- Plastic/plastic packaging permits peel-off function that provides user-friendly easy opening and aseptic pipette removal, reduced contamination risk and particulate-free opening
- Reverse (ascending and descending) graduations and negative graduations, except on aspirating pipette
- Synthetic filter and color-coded according to international convention
- Lot number and best before date on each individual wrap

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Volume (mL)	Graduations (mL)	Color Code	Negative Graduations	Ascending / Descending Graduations	Anti-Drip Tip	Material	Sterile	Individually Packaged	Pack Qty	Case Qty	
07-000-360	606190	5	1/10	Blue	3.0 mL	Yes	No	PS	Yes	Yes	50	200	
07-000-361	607190	10	2/10	Orange	10.0 mL	Yes	Yes	PS	Yes	Yes	50	200	
<b>Aspiration Pipette</b>													
07-000-175	710183	2	No markings on aspiration pipette					Yes	PS	Yes	Yes	1	1000



## EASYstrainer™ Cell Strainers

### For Filtration of Cell Suspensions and Primary Cell Isolates

- Three color-coded mesh sizes
- Fits all standard 50 mL tubes
- Handle and mantle surface for improved aseptic handling
- Venting slot for fast filtration
- No liquid overspill
- Convenient blister pack

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Description	Sterile	Color	Bag Qty	Case Qty
07-000-222	542040	EASYstrainer for 50 mL tubes, 40 µm mesh size	Yes	Green	1	50
07-000-223	542070	EASYstrainer for 50 mL tubes, 70 µm mesh size	Yes	Blue	1	50
07-000-221	542000	EASYstrainer for 50 mL tubes, 100 µm mesh size	Yes	Yellow	1	50



## Centrifuge Tubes

### Polystyrene and Polypropylene

- 15 and 50 mL volumes in polystyrene, conical bottom format
- 15 and 50 mL volumes in polypropylene, conical and conical/skirted bottom formats
- Excellent optical clarity and mechanical, thermal and chemical stability for polypropylene tubes
- Unsurpassed optical clarity for polystyrene tubes
- Graduation markings with ID field on the side
- Available packaged in bulk bags or racked

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Volume (mL)	Material	Bottom Style	Skirted	Closure Type	Cap Color	Sterile	Racked	Rack Qty	Pack Qty
07-000-242	188161	15	PS	Conical	No	Screw	Blue	Yes	Yes	50/Rack	500
07-000-463	188171	15	PS	Conical	No	Screw	Blue	Yes	No	100	1000
07-000-465	188261	15	PP	Conical	No	Screw	Blue	Yes	Yes	50/Rack	500
07-000-241	188271	15	PP	Conical	No	Screw	Blue	Yes	No	100	1000
07-000-405	210261	50	PP	Conical	Yes	Screw	Blue	Yes	No	25	450
07-000-238	210270	50	PP	Conical	Yes	Screw	Blue	Yes	Yes	25/Rack	300
07-000-239	227261	50	PP	Conical	No	Screw	Blue	Yes	No	20	500
07-000-495	227270	50	PP	Conical	No	Screw	Blue	Yes	Yes	25/Rack	300

See page 58 for compatible small laboratory equipment.



## Light Protection Tubes Polypropylene

- 15 and 50 mL volumes, conical bottom formats
- Amber colored light protection tubes for light-sensitive materials and reactions
- Excellent mechanical, thermal and chemical stability
- Graduation markings with ID field on the side
- Available packaged in bulk bags or racked

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Volume (mL)	Material	Bottom Style	Skirted	Closure Type	Cap Color	Sterile	Racked	Pack Qty	Case Qty
07-000-466	188280	15	PP	Conical	No	Screw	Blue	Yes	No	100	1000
07-000-468	188283	15	PP	Conical	No	Screw	Blue	Yes	Yes	50/Rack	500
07-000-496	227280	50	PP	Conical	No	Screw	Blue	Yes	No	20	500
07-000-497	227283	50	PP	Conical	No	Screw	Blue	Yes	Yes	25/Rack	300



## CELLSTAR® CELLreactor™ 15 mL and 50 mL Polypropylene Filter Top Tube

- Ideal for suspension and spheroid culture
- Facilitates a high number of parallel experiments
- Flexible working volume
- Maximal sterility and excellent gas exchange
- Conical tube design and in-tube cell harvest
- Graduation markings with ID field on the side

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Volume (mL)	Material	Bottom Style	Skirted	Closure Type	Cap Color	Sterile	Racked	Pack Qty	Case Qty
07-000-199	188241	15	PP	Conical	No	Filter Screw Cap	Blue	Yes	No	20/Rack	500
07-000-493	227245	50	PP	Conical	No	Filter Screw Cap	Blue	Yes	No	20/Rack	500



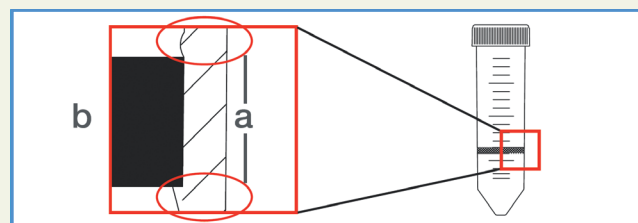
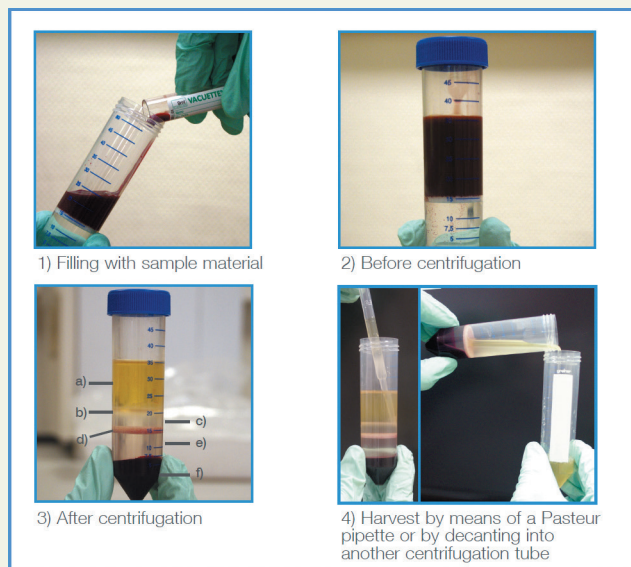
## 12 mL and 50 mL Leucosep™ Tubes

### Efficient separation of lymphocytes and mononuclear cells from peripheral blood and bone marrow

- Enrichment directly from whole blood
- Simplified filling through porous barrier
- Rapid separation in 15 minutes at room temperature
- No additional laboratory equipment required
- Removal of erythrocytes and granulocytes
- No recontamination with erythrocytes
- No blocking of marker molecules
- Pre-filled option
- Also available unfilled

Leucosep™ was developed for optimal separation of lymphocytes and peripheral mononuclear cells (so-called PBMCs) from human whole blood and bone marrow. (The key feature of Leucosep™ is the porous barrier incorporated into the centrifuge tube made of highly translucent polypropylene.) This barrier consists of high-grade polyethylene. It shows a precisely controlled pore size and does away with the time-consuming and laborious overlaying of the sample material. Anticoagulated blood or bone marrow can simply be poured directly from the blood sampling tube into the Leucosep™ tube. The porous barrier prevents mixture of the sample material with the separation medium. During centrifugation, lymphocytes and PBMCs are separated from unwanted erythrocytes and granulocytes on the basis of their density and enriched in an interphase above the separation medium. When separation is complete, the barrier prevents recontamination of the enriched cell fraction during harvest.

Regardless of whether large or small sample volumes are to be processed, Greiner Bio-One has exactly the right Leucosep™ tube for the application in question. Information on and instructions for using Leucosep™ can be obtained from your Account Manager.



50 mL Leucosep™ tubes have **retaining rings (a)** that stabilize the position of the porous barrier **(b)** for even better robustness and user-friendliness, e.g. during centrifugation.

3) After centrifugation the sequence of layers occurs as follows (see from top to bottom):

- a) plasma
- b) enriched cell fraction (interphase consisting of lymphocytes/ PBMCs)
- c) separation medium
- d) porous barrier
- e) separation medium
- f) pellet (erythrocytes and granulocytes)

Fisher Cat. No.	GBO Cat. No.	Description	Bag/Case Qty
07-000-448	163288	Leucosep Tube, 12 mL, w/porous barrier at 3 mL graduation, PP, round bottom, aseptic, pre-filled w/1.077 g/mL separation medium	50/500
07-000-449	163290	Leucosep Tube, 12 mL, w/porous barrier at 3 mL graduation, PP, round bottom, sterile, unfilled	50/500
07-000-980	163290P	Leucosep Tube, 12 mL, w/porous barrier at 3 mL graduation, PP, round bottom, sterile, unfilled	50/50
07-000-499	227288	Leucosep Tube, 50 mL w/porous barrier at 15 mL graduation, PP, conical bottom, aseptic, pre-filled w/1.077 g/mL density gradient media	25/250
07-000-500	227290	Leucosep Tube, 50 mL w/porous barrier at 15 mL graduation, PP, conical bottom, sterile, unfilled	25/300
07-000-983	227290P	Leucosep Tube, 50 mL w/porous barrier at 15 mL graduation, PP, conical bottom, sterile, unfilled	25/25



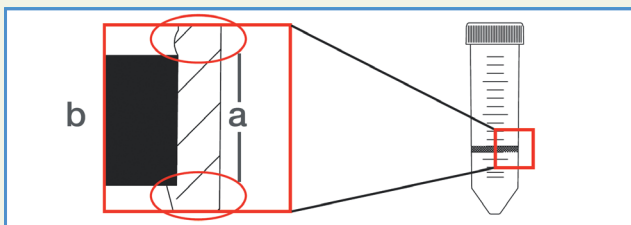
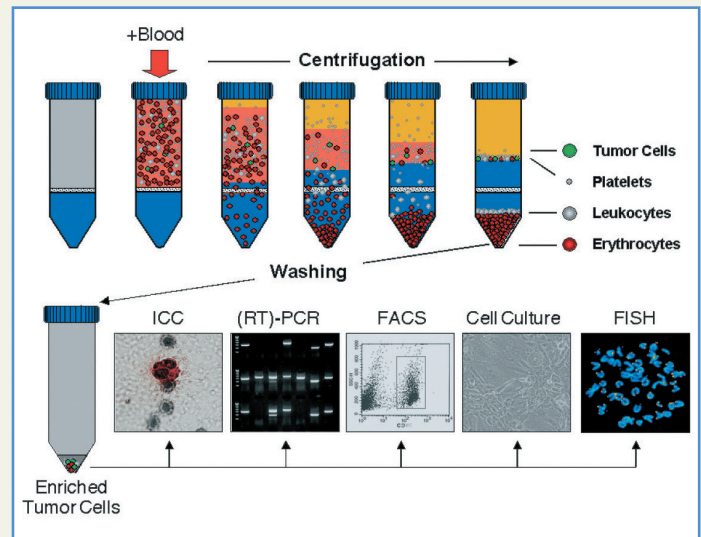
## OncoQuick® Tubes

### Enrichment of disseminated, circulating tumor cells from peripheral blood

- Time request: approximately 45 minutes
- Reproducible recovery: > 70 %
- Depletion of blood cells by up to 6 log units
- No additional laboratory equipment required
- No magnetic beads needed
- No blocking of marker molecules
- Enrichment directly from whole blood

OncoQuick® is a simple-to-use, rapid and efficient system for the enrichment of circulating tumor cells that are released into the blood by a solid epithelial tumor or malignant melanoma. OncoQuick® combines the advantages of cell separation by density gradient centrifugation (rapid, reproducible and cost-effective) with recovery rates that are comparable with immunobead methods.

OncoQuick® consists of a sterile 50 mL polypropylene tube with a porous barrier which is inserted above the specially developed separation medium. Up to 30 mL of anticoagulated whole blood is directly filled into the OncoQuick® tube and centrifuged. Apart from erythrocytes and granulocytes, the separation medium also allows the elimination of lymphocytes and mononuclear cells to a wide extent. The disseminated tumor cells are enriched in the interphase. After harvesting, the enriched cell fraction is washed. The tumor cells are then available for all standard research methods. OncoQuick® was developed in a cooperation between Hexal Gentech and Greiner Bio-One and is intended for use for research purposes only! Information on and instructions for using OncoQuick® can be obtained from your Account Manager.



OncoQuick® tubes have retaining rings (a) that stabilize the position of the porous barrier (b) for even better robustness and user-friendliness, e.g. during centrifugation.



Fisher Cat. No.	GBO Cat. No.	Description	Bag/Case Qty
07-000-307	227250	OncoQuick tubes with porous barrier and separation medium, 15-30 mL blood sample volume, sterile	10
07-000-306	227255	OncoQuick tubes with porous barrier and separation medium, 15-30 mL blood sample volume, sterile	4





## Culture Tubes

Tissue Culture Treated, Polystyrene  
Suspension Culture, Polystyrene and Polypropylene

- TC Treated and Suspension Culture formats
- Choice of screw closure or ventilation closure
- Polypropylene tubes with graduation markings
- Highly transparent polystyrene and polypropylene
- Extensive range of tube sizes and volumes
- Bayonet cap offers screw cap with fewer turns

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	TC Treated	Volume (mL)	Material	Bottom Style	Closure Type	Vented Cap	Graduated	Sterile	Diameter (mm)	Height (mm)	Pack Qty	Case Qty
	120160**	Yes	4.5	PS	Round	Snap	Yes	No	Yes	12.4	75	1	1000
	120190**	Yes	4.5	PS	Round	Snap	Yes	No	Yes	12.4	75	25	2000
07-000-209	163160	Yes	12	PS	Round	Red, Screw	No	No	Yes	16	100	5	1000
07-000-450	164160	Yes	12	PS	Conical, Skirted	Red, Bayonet	No	No	Yes	16.8	100	5	1000
07-000-472	191160	Yes	14	PS	Round	Snap	Yes	No	Yes	18	95	1	750
07-000-216	120161	No	4.5	PS	Round	Snap	Yes	No	Yes	12.4	75	1	1000
07-000-430	120180	No	4.5	PS	Round	Snap	Yes	No	Yes	12.4	75	25	2000
07-000-210	163161	No	12	PS	Round	Black, Screw	No	No	Yes	16	100	900	900
07-000-451	164161	No	12	PS	Conical, Skirted	Blue, Bayonet	No	No	Yes	16.8	100	25	1000
07-000-214	191161	No	14	PS	Round	Snap	Yes	No	Yes	18	95	1	750
07-000-211	191180	No	14	PS	Round	Snap	Yes	No	Yes	18	95	25	1000
07-000-425	115101	No	5	PS	Round	303321	No	No	No	12	75	250	2000
07-000-217	115261	No	5	PP	Round	Snap	Yes	Yes	Yes	12	75	1	1000
07-000-428	115262	No	5	PP	Round	Snap	Yes	Yes	Yes	12	75	25	2000
07-000-460	184261	No	12	PP	Round	Snap	Yes	Yes	Yes	17	77	1	1000
07-000-215	187261	No	14	PP	Round	Snap	Yes	No	Yes	18	95	1	800
07-000-212	187262	No	14	PP	Round	Snap	Yes	No	Yes	18	95	25	1000



## Microcentrifuge Tubes

Polypropylene

- Manufactured from highly transparent, inert polypropylene
- High RCF ratings
- Graduation markings for easier volume reading
- High chemical and temperature resistance

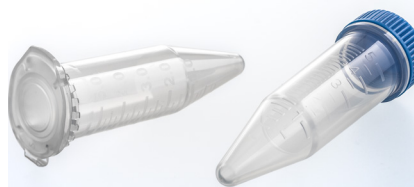
Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Volume (mL)	Material	Compatibility Style	Maximum RCF x g	Autoclavable	Tube Color	Graduated	Sterile	Pack Qty	Case Qty
07-000-693	667201	0.5	PP	Viatron	18,000	Yes	Clear	No	No	1000	10,000
07-000-244	616201	1.5	PP	Universal	18,000	Yes	Clear	Yes	No	500	4000
	616273**	1.5	PP	Universal	18,000	Yes	Red	Yes	No	500	4000
07-000-574	616274	1.5	PP	Universal	18,000	Yes	Blue	Yes	No	500	4000
07-000-575	616275	1.5	PP	Universal	18,000	Yes	Green	Yes	No	500	4000
07-000-576	616276	1.5	PP	Universal	18,000	Yes	Yellow	Yes	No	500	4000
07-000-243	616281	1.5	PP	Universal	18,000	Yes	Assorted	Yes	No	500	4000
07-000-298	616283	1.5	PP	Universal	18,000	Yes	Brown	Yes	No	500	4000
07-000-580	623201	2.2	PP	Universal	18,000	Yes	Clear	No	No	500	4000

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.

## 5mL Reaction Tubes



- Polypropylene
- Working volume 5 ml
- Graduation and frosted labeling area
- Outer diameter and shape similar to 15 ml tube
- Resealable packaging
- Ideal for centrifugation

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Description	Material	Working Volume	Sterile	Closure	Pack Qty	Case Qty
	622201**	Reaction Tube	PP	5 mL	No	Snap Cap	100	1000
	622261**	Reaction Tube	PP	5 mL	Yes	Snap Cap	50	1000
	725201**	Reaction Tube	PP	5 mL	No	Screw Cap	100	500
	725261**	Reaction Tube	PP	5 mL	Yes	Screw Cap	50	500



## Media Bottles PET (Polyethylene Terephthalate)

- 100, 500 and 1000 mL volumes
- Durable and flexible PET resistant to cracking
- Square design allows efficient use of storage space
- Clear PET and graduation markings allow easy inspection and volume reading of bottle contents
- Ideal for storage of media, buffers, sera and much more
- Sterile

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Working Volume (mL)	Maximum Volume (mL)	Sterile	Closure	Special Features	Pack Qty	Case Qty
07-000-302	951700P	100	125	Yes	White Screw Cap	Graduations to 100 mL	25	25
07-000-299	951700	100	125	Yes	White Screw Cap	Graduations to 100 mL	25	100
07-000-301	950700	500	650	Yes	White Screw Cap	Graduations to 500 mL	50	50
07-000-300	952700	1000	1150	Yes	White Screw Cap	Graduations to 1000 mL	12	24



## Cell Scrapers

- 25 and 40 cm handle length
- 16 mm blade length
- Ideal for mechanical harvesting of cells in place of chemical treatment methods
- Pivoted scraper blade design minimizes cell damage and ensures even contact with the growth surface
- Sterile, individually wrapped

Fisher Cat. No.	GBO Cat. No.	Description	Handle Length (cm)	Scraper Width (mm)	Sterile	Special Features	Pack Qty	Case Qty
07-000-553	541070	Cell Scraper	28	18	Yes	Pivot Head	1	100
07-000-180	541080	Cell Scraper	40	18	Yes	Pivot Head	1	100

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



## Erlenmeyer Shaker Flasks

- 2-in-1 DuoCAP® for flexibility of sterile air exchange or tight seal
- Made of optically clear polycarbonate which is lighter and safer than glass
- Individually packaged and sterile to SAL 10<sup>-6</sup> for long term culture applications
- Molded-in graduations for easy volumetric reference
- Non-pyrogenic, non-cytotoxic, and nuclease-free
- Available with flat or baffled base for increased agitation and aeration



Greiner Bio-One Erlenmeyer shaker flasks are ideal for suspension culture of mammalian cells, plants, microbes and microorganisms. The shaker flasks feature a patented 2-in-1 DuoCAP® which allows for flexibility between vented and non-vented applications. Each flask is manufactured utilizing an optically clear, inert polycarbonate resin which can be disposed of after single use or be made reusable when autoclaved.

Fisher Cat. No.	GBO Cat. No.	Nominal Volume (mL)	Graduations	Cap Type	Bottom Type	Material	Pack Qty	Case Qty
07-001-064	679501	125	50 to 125 mL	DuoCAP®	Flat	PC	1	24
07-001-065	679502	250	100 to 250 mL	DuoCAP®	Flat	PC	1	12
07-001-066	679503	500	100 to 500 mL	DuoCAP®	Flat	PC	1	12
07-001-067	679504	1,000	200 to 1,000 mL	DuoCAP®	Flat	PC	1	6
07-001-068	679505	2,000	600 to 2,000 mL	DuoCAP®	Flat	PC	1	6
07-001-069	679506	3,000	1,000 to 3,000 mL	DuoCAP®	Flat	PC	1	3
07-001-070	679511	125	50 to 125 mL	DuoCAP®	Baffled	PC	1	24
07-001-071	679512	250	100 to 250 mL	DuoCAP®	Baffled	PC	1	12
07-001-072	679513	500	100 to 500 mL	DuoCAP®	Baffled	PC	1	12
07-001-073	679514	1,000	200 to 1,000 mL	DuoCAP®	Baffled	PC	1	6
07-001-074	679515	2,000	600 to 2,000 mL	DuoCAP®	Baffled	PC	1	6
07-001-075	679516	3,000	1,000 to 3,000 mL	DuoCAP®	Baffled	PC	1	3



Baffled Bottom



Flat Bottom



### CELLMASTER™ Roller Bottles PET (Polyethylene Terephthalate)

- 850 cm<sup>2</sup> growth surface (2500 mL maximum volume)
- Ideal for monoclonal antibody and viral production
- Surface suitable for many adherent cell lines
- PET is extremely stable and gas permeable for uniform growth and proliferation characteristics
- All PET Roller Bottles have a standard screw cap

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Growth Area (cm <sup>2</sup> )	Bottle Material	Volume (mL)	Sterile	Graduated To	ID Field	Dimensions H x W (mm)	Pack Qty	Case Qty
07-000-733	680160	850	PET	2500	Yes	1000 mL	Yes	116 x 276	1	18
07-000-345	680170*	850	PET	2500	Yes	1000 mL	Yes	116 x 276	30	30
07-000-734	680180	850	PET	2500	Yes	2000 mL	Yes	116 x 276	1	18



### CELLMASTER™ Roller Bottles PS (Polystyrene)

- Available in 850 cm<sup>2</sup> growth surface (2520 mL maximum volume) and 1700 cm<sup>2</sup> growth surface (4970 mL maximum volume)
- Particularly high stability and optical clarity
- Improved cell adhesion through physical surface (TC) treatment
- Thread enables quick opening with a 2/3 turn
- Larger knurls on screw cap provide improved grip for ease of opening/closing
- Lot number and best before date on each roller bottle

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

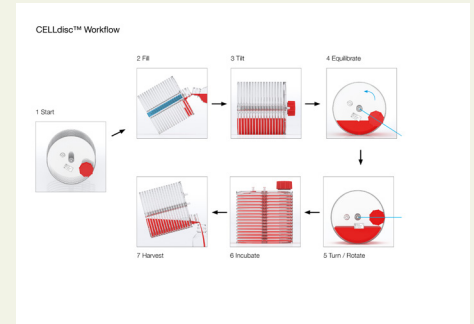
Fisher Cat. No.	GBO Cat. No.	Growth Area (cm <sup>2</sup> )	Bottle Material	Volume (mL)	Cap Style	Sterile	Graduated Scale	ID Field	Dimensions	Pack Qty	Case Qty
07-000-344	680060	850	PS	2520	Plug Seal	Yes	100-2000 mL	Yes	271 x 122	2	24
07-000-731	680065	850	PS	2520	Plug Seal	Yes	100-2000 mL	Yes	271 x 122	24	24
07-000-730	680048	850	PS	2520	Plug Seal	Yes	100-2000 mL	Yes	271 x 122	24	48
07-000-346	680058	850	PS	2520	Filter (Vent)	Yes	100-2000 mL	Yes	271 x 122	2	24
07-000-732	680068	850	PS	2520	Filter (Vent)	Yes	100-2000 mL	Yes	271 x 122	24	24
07-000-347	680045	850	PS	2520	Filter (Vent)	Yes	100-2000 mL	Yes	271 x 122	24	48
07-000-739	681070	2125	PS	2300	Plug Seal	Yes	100-1000 mL	Yes	271 x 122	2	24
07-000-741	681075*	2125	PS	2300	Plug Seal	Yes	100-1000 mL	Yes	271 x 122	24	24
	681096*	2125	PS	2300	Plug Seal	Yes	100-1000 mL	Yes	271 x 122	24	48
	681072*	2125	PS	2300	Filter (Vent)	Yes	100-1000 mL	Yes	271 x 122	2	24
07-000-748	682060	1700	PS	4970	Plug Seal	Yes	100-2000 mL	Yes	500 x 122	1	12
07-000-744	682012	1700	PS	4970	Plug Seal	Yes	100-2000 mL	Yes	500 x 122	12	12
07-000-746	682024	1700	PS	4970	Plug Seal	Yes	100-2000 mL	Yes	500 x 122	12	24
07-000-745	682015	1700	PS	4970	Filter (Vent)	Yes	100-2000 mL	Yes	500 x 122	12	12
07-000-747	682025	1700	PS	4970	Filter (Vent)	Yes	100-2000 mL	Yes	500 x 122	12	24
07-000-750	682070	4250	PS	4640	Plug Seal	Yes	100-1000 mL	Yes	500 x 122	1	12
07-000-751	682072	4250	PS	4640	Plug Seal	Yes	100-1000 mL	Yes	500 x 122	12	24
07-000-752	682075	4250	PS	4640	Plug Seal	Yes	100-1000 mL	Yes	500 x 122	12	12
07-000-753	682078	4250	PS	4640	Filter (Vent)	Yes	100-1000 mL	Yes	500 x 122	1	12

\*short form, ribbed surface \*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



### CELLdisc™ Simplify your scale up and mass cell culture

- Minimum space required for handling of device
- 40% higher surface/volume ratio than conventional multilayer systems
- Surface treatment for optimal cell attachment
- Optimal ventilation through central gas support channel



Free of detectable DNase, RNase, human DNA  
non-pyrogenic non-cytotoxic

CELLdisc™ is a new multilayer device covering a range of cell culture surfaces from 1,000 cm<sup>2</sup> up to 10,000 cm<sup>2</sup>. The innovative ergonomic design provides a versatile system from research scale to industrial batches.

Fisher Cat. No.	GBO Cat. No.	Description	Growth Area (cm <sup>2</sup> )	Surface Treatment	Sterile	No. of Layers	Closure Color	Pack Qty	Case Qty
	678101**	CELLdisc™	250cm <sup>2</sup>	TC	Yes	1	Red	1	8
07-001-056	678104	CELLdisc™	1,000 cm <sup>2</sup>	TC	Yes	4	Red	1	4
07-001-057	678108	CELLdisc™	2,000 cm <sup>2</sup>	TC	Yes	8	Red	1	3
07-001-058	678116	CELLdisc™	4,000 cm <sup>2</sup>	TC	Yes	16	Red	1	2
07-001-059	678140	CELLdisc™	10,000 cm <sup>2</sup>	TC	Yes	40	Red	1	1
07-001-060	678904	CELLdisc™	1,000 cm <sup>2</sup>	Advanced TC™	Yes	4	Blue	1	4
07-001-061	678908	CELLdisc™	2,000 cm <sup>2</sup>	Advanced TC™	Yes	8	Blue	1	3
07-001-062	678916	CELLdisc™	4,000 cm <sup>2</sup>	Advanced TC™	Yes	16	Blue	1	2
07-001-063	678940	CELLdisc™	10,000 cm <sup>2</sup>	Advanced TC™	Yes	40	Blue	1	1



### CELLlevator™ GBO Cat. No. 878071

- Easy and secured CELLdisc™ stacking
- Maximum loading capacity 8 kg
- Space saving storage
- Autoclavable (120 C, 2 bar)

Fisher Cat. No.	GBO Cat. No.	Description	Sterile	Pack Qty	Case Qty
	878071**	CELLlevator™ - Stacking Device for CELLdisc™	No	1	9



### CELLring™ GBO Cat. No. 878075

- Ensures exact planar positioning of the CELLdisc™
- Guarantees consistent distribution of cells and media in each layer

Fisher Cat. No.	GBO Cat. No.	Description	Sterile	Pack Qty	Case Qty
	878074**	CELLhandle™ - Leveling ring to compensate for surface irregularities	No	1	1



### CELLhandle™ GBO Cat. No. 878074

- Gripping device for easy lifting and emptying of large-sized CELLdisc™
- Enables single-hand usage of the CELLdisc™

Fisher Cat. No.	GBO Cat. No.	Description	Sterile	Pack Qty	Case Qty
	878075**	CELLring™ - Gripper for secure and easy transportation	No	1	1

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



### CELLSTAR® Flasks, Tissue Culture Polystyrene

- 25, 75 and 175 cm<sup>2</sup> formats; Lo-Profile and Hi-Profile design of 175 cm<sup>2</sup> format for variability of the media volume
- Design of all flask formats allows efficient access to the cell lawn with cell scrapers and optimal access with pipettes
- Improved cell adhesion through physical surface treatment
- Plug seal and 0.2 µm vented filter cap options (red caps for adherent cell culture flasks)
- Canted neck and graduations on the side
- Lot number and best before date on each flask

Free of detectable DNase, RNase, human DNA non-pyrogenic non-cytotoxic

Fisher Cat. No.	GBO Cat. No.	Growth Area (cm <sup>2</sup> )	Total Volume (mL)	TC Treated	Sterile	Closure Type	Closure Color	Neck Style	Special Features	Pack Qty	Case Qty
07-000-226	690160	25	50	Yes	Yes	Plug	Red	Canted	–	10	200
07-000-230	690170	25	50	Yes	Yes	Plug	Red	Canted	Measuring Grid	10	200
07-000-225	690175	25	50	Yes	Yes	Filter	Red	Canted	–	10	200
07-000-228	658170	75	250	Yes	Yes	Plug	Red	Canted	–	5	120
07-000-229	658175	75	250	Yes	Yes	Filter	Red	Canted	–	5	120
07-000-385	660160	175	550	Yes	Yes	Plug	Red	Canted	Lo-Profile	5	50
07-000-384	660175	175	550	Yes	Yes	Filter	Red	Canted	Lo-Profile	5	50
07-000-383	661160	175	650	Yes	Yes	Plug	Red	Canted	Hi-Profile	4	40
07-000-382	661175	175	650	Yes	Yes	Filter	Red	Canted	Hi-Profile	4	40

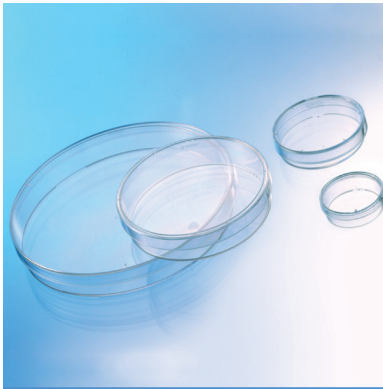


### CELLSTAR® Flasks, Suspension Culture Polystyrene

- 50, 250, 550 (Lo-Profile) and 650 mL (Hi-Profile) formats
- Design of all flask formats allows optimal access with pipettes
- Plug seal and 0.2 µm vented filter cap options (white caps for suspension culture flasks)
- Canted neck and graduations on the side
- Lot number and best before date on each flask

Free of detectable DNase, RNase, human DNA non-pyrogenic non-cytotoxic

Fisher Cat. No.	GBO Cat. No.	Total Volume (mL)	TC Treated	Sterile	Closure Type	Closure Color	Neck Style	Special Features	Pack Qty	Case Qty
07-000-231	690190	50	No	Yes	Plug	White	Canted	–	10	200
07-000-227	690195	50	No	Yes	Filter	White	Canted	–	10	200
07-000-279	658190	250	No	Yes	Plug	White	Canted	–	5	120
07-000-278	658195	250	No	Yes	Filter	White	Canted	–	5	120
07-000-660	660190	550	No	Yes	Plug	White	Canted	Lo-Profile	5	50
07-000-381	661190	650	No	Yes	Plug	White	Canted	Hi-Profile	4	40
07-000-380	661195	650	No	Yes	Filter	White	Canted	Hi-Profile	4	40



### CELLSTAR® Dishes, Tissue Culture Polystyrene

- 35, 60, 94, 100 and 145 mm formats
- Improved cell adhesion through physical surface (TC) treatment
- Hydrophobic surfaces (non-treated) for suspension and hybridoma cultures
- High transparency and low autofluorescence for excellent analysis by microscopy
- Vented versions offer uniform gas exchange and reduced condensation
- Stacking rims for simple storage and ease of handling

Free of detectable DNase, RNase, human DNA  
non-pyrogenic

non-cytotoxic

Fisher Cat. No.	GBO Cat. No.	Growth Area (cm²)	Dimensions W x H (mm)	TC Treated	Sterile	Vented	Pack Qty	Case Qty
07-000-220	627160	8.7	35 x 10	Yes	Yes	Yes	10	740
07-000-218	628160	21	60 x 15	Yes	Yes	Yes	10	600
07-000-386	664160	58	100 x 20	Yes	Yes	Yes	15	360
07-000-232	639160	145	145 x 20	Yes	Yes	Yes	5	120



### CELLview™ Cell Culture Dish with Glass Bottom for Microscopic Applications

- High transparency achromatic borosilicate glass; hydrolytic class 1 (DIN-ISO 719)
- Maximal spectral transmission; no autofluorescence; no depolarization of light
- Available with specific surface treatments increasing the attachment of adherent cells
- Broad range of multiple microscopic applications

Free of detectable DNase, RNase, human DNA  
non-pyrogenic

non-cytotoxic

Fisher Cat. No.	GBO Cat. No.	Growth Area (cm²)	Width (mm)	Glass Thickness	Working Volume	Number of Compartments	Surface Treatment	Pack Qty	Case Qty
07-000-233	627861	8.7	35	175 µm	5.0 mL	1	None	10	40
07-000-582	627860	8.7	35	175 µm	5.0 mL	1	TC Treated	10	40
07-000-583	627965	8.7	35	175 µm	5.0 mL	1	Advanced TC™	10	40
07-000-236	627871	2.2	35	175 µm	0.1-0.5 mL	4	None	10	40
07-000-235	627870	2.2	35	175 µm	0.1-0.5 mL	4	TC Treated	10	40
07-000-234	627975	2.2	35	175 µm	0.1-0.5 mL	4	Advanced TC™	10	40



### CELLview™ Slide

- 10 wells with alphanumeric coding
- Positioning notch for automated microscopy
- Detachable black upper housing
- Reduced meniscus effect due to round well design
- Well distance is equal to a 96 well microplate
- Highly transparent achromatic borosilicate glass, hydrolytic class 1
- Glass thickness: 175 µm +/- 15 µm

non-cytotoxic

Fisher Cat. No.	GBO Cat. No.	Bottom	Growth Area (mm²)	LxWxH (mm)	Sterile	Total Volume (µl)	Number of Wells	Surface Treatment	Pack Qty	Case Qty
	543078**	Glass	32/well	75 x 25 x 12.6	Yes	447/well	10	TC Treated	1	20
07-000-554	543079	Glass	32/well	75 x 25 x 12.6	Yes	447/well	10	TC Treated	5	45
	543978**	Glass	32/well	75 x 25 x 12.6	Yes	447/well	10	Advanced TC™	5	20
07-000-555	543979	Glass	32/well	75 x 25 x 12.6	Yes	447/well	10	Advanced TC™	5	45

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.





## Sapphire Pipettors

- Ergonomic design for maximum comfort
- Lightweight
- Minimal pipetting forces
- Outstanding accuracy and precision
- Fully autoclavable
- UV-resistant
- Can be used with *Sapphire* range of tips



*Sapphire* Pipettors and pipette tips provide the optimal solution for liquid handling. The *Sapphire* Pipettor is designed and built to deliver optimal ergonomics and performance in day-to-day use. Precision and accuracy are paramount for the *Sapphire* Pipettors which perform well within the requirements specified in ISO 8655 when used in combination with *Sapphire* Pipette Tips.

### Ordering Information\*\*

Product Photo	Volume Range [μl]	Color	GBO Cat No.
<b>Single-Channel Pipettors</b> 	0.2-2	Orange	89000002
	1-10	Red	89000010
	2-20	Light yellow	89000020
	10-100	Light orange	89000100
	20-200	Yellow	89000200
	100-1000	Blue	89001000
	500-5000	Violet	89000500
1000-10000	Light blue	89010000	
<b>8-Channel Pipettors</b> 	0.5-10	Red	89000810
	2-20	Light yellow	89000820
	20-200	Yellow	89008200
	20-300	Green	89008300
<b>12-Channel Pipettors</b> 	0.5-10	Red	89001210
	2-20	Light yellow	89001220
	20-200	Yellow	89012200
	20-300	Green	89012300
<b>Carousel Pipettor Holder</b> 	Holds up to 7 pipettors		89000099

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.





## Sapphire Filter Pipette Tips

- Easy and reliable fit to pipettor
- Low liquid retention
- Graduations for perfect visual control
- Filter ensures protection from contamination
- 96 tips per pack

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

Fisher Cat. No.	GBO Cat. No.	Description	Sterile	Racks/Pack	Packs/Case
<b>Racked – Low Retention</b>					
07-000-854	771235	10 µL Natural Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-865	771265	10 µL Extended Length, Natural Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-870	773265	20 µL, Natural Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-867	772265	100 µL, Natural Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
	737265**	200 µL Natural Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
	738265**	300 µL, Natural Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-350	750265	1250 µL Extended Length Graduated	Yes	8 Rks of 96/Pk	5 Pks/Cs
<b>Racked</b>					
07-001-027	771288-US	10 µL, Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-864	771261	10 µL Extended Length, Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-869	773261	20 µL, Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-001-030	772288-US	100 µL, Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
	738261**	300 µL, Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
	738261-US**	200 µL, Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-351	750261	1250 µL, Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



## Sapphire Low Retention Pipette Tips

- Easy and reliable fit to pipettor
- Low liquid retention
- Graduations for perfect visual control
- Eliminates hanging droplet formation
- Environmentally friendly refill option
- 96 tips per rack

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

Fisher Cat. No.	GBO Cat. No.	Description	Sterile	Racks/Pack	Packs/Case
<b>Racked</b>					
07-000-856	771246	10 µL Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-862	771251	10 µL Natural, Graduated Extended Length	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-356	737251	200 µL Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-813	738251	300 µL Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-830	750251	1250 µL Natural, Graduated	Yes	8 Rks of 96/Pk	5 Pks/Cs
<b>Reloads</b>					
07-000-863	771258	10 µL Natural, Graduated, Extended Length	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-809	737258	200 µL Natural, Graduated	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-815	738258	300 µL Natural, Graduated	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-831	750258	1250 µL Natural, Graduated	No	8 Rks of 96/Pk	5 Pks/Cs

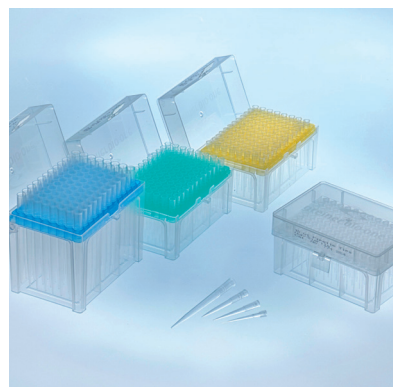


## Sapphire Pipette Tips

- Easy and reliable fit to pipettor
- Graduations for perfect visual control
- Environmentally friendly refill option
- 96 tips per rack

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

Fisher Cat. No.	GBO Cat. No.	Description	Sterile	Racks/Pack	Packs/Case
<b>Racked</b>					
07-000-855	771242	10 µL Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-860	771252	10 µL Natural, Graduated, Extended Length	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-808	737252	200 µL Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-811	738252	300 µL Natural, Graduated	Yes	10 Rks of 96/Pk	5 Pks/Cs
07-000-353	750252	1250 µL Natural, Graduated	Yes	8 Rks of 96/Pk	5 Pks/Cs
07-001-027	771287- US	10 µL Natural, Graduated	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-861	771254	10 µL Natural, Graduated Extended Length	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-359	737254	200 µL Natural, Graduated	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-812	738254	300 µL Natural, Graduated	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-829	750254	1250 µL Natural, Graduated	No	8 Rks of 96/Pk	5 Pks/Cs
<b>Reloads</b>					
07-000-857	771247	10 µL Natural, Graduated	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-349	771257	10 µL Natural, Graduated, Extended Length	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-358	737257	200 µL Natural, Graduated	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-814	738257	300 µL Natural, Graduated	No	10 Rks of 96/Pk	5 Pks/Cs
07-000-352	750257	1250 µL Natural, Graduated	No	8 Rks of 96/Pk	5 Pks/Cs
<b>Bulk</b>					
	770290**	10-200 µL Natural, Gel Loading Tip	No	1,000 tips/Pk	10 Pks/Cs
07-001-029	771290- US	10 µL Natural, Graduated	No	1,000 tips/Pk	10 Pks/Cs
07-000-859	771250	10 µL Natural, Graduated, Extended Length	No	1,000 tips/Pk	10 Pks/Cs
07-000-810	737290	200 µL Yellow, Graduated	No	1,000 tips/Pk	10 Pks/Cs
07-000-357	737291	200 µL Natural, Graduated	No	1,000 tips/Pk	10 Pks/Cs
	738250**	300 µL Natural, Graduated	No	1,000 tips/Pk	10 Pks/Cs
07-000-348	740290- US	1000 µL Blue, Graduated	No	768 tips/Pk	10 Pks/Cs
07-000-828	750250	1250 µL Natural, Graduated	No	768 tips/Pk	10 Pks/Cs



## Racks

- Stackable
- Double hinged lid for smooth opening/closing action
- Lids are reversible to enable 'push fit' opening/closing action

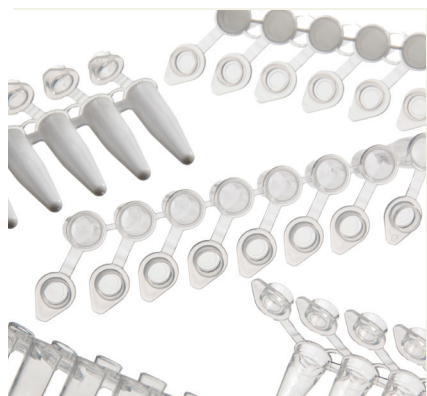
Fisher Cat. No.	GBO Cat. No.	Description	Sterile	Tips/Pack	Packs/Case
<b>Unfilled Racks</b>					
	970310**	Empty Racks 10 µL with Clear Insert	No	10 Rks/Pk	5 Pks/Cs
	970320**	Empty Racks 200 µL with Yellow Insert	No	10 Rks/Pk	5 Pks/Cs
	970330**	Empty Racks 300 µL with Green Insert	No	10 Rks/Pk	5 Pks/Cs
	970350**	Empty Racks 1250 µL with Blue Insert	No	10 Rks/Pk	5 Pks/Cs

\*All Pipette Tips are sold by the pack. To order a case, please order the correct number of packs.

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.

# Sapphire PCR Consumables

## PCR At Its Best



- Manufactured out of medical-grade polypropylene with interfering additives
- Thin-walled for efficient heat transfer during amplification
- Free of detectable DNase, RNase and endotoxins
- Polypropylene is naturally low binding to prevent sample loss
- Innovative NEW “Rigid” style 96-well PCR microplate is ideal for automated PCR assembly
- New microplates expand our offering for ABI and Roche cyclers
- NEW 8-strip tubes with attached caps or ergonomic open/close function improve sample handling



### Sapphire PCR Tubes (0.2 / 0.5 mL)

- With flat or domed cap or without cap
- Available in different colors
- Frosted tube cap for easy labeling
- Innovative NEW single tube with attached optically clear cap for real-time PCR

Free of detectable  
DNase, RNase,  
human DNA

PCR

Fisher Cat. No.	GBO Cat. No.	Product Description	Volume	Lid/Cap Type	Color	Pack Qty	Case Qty
07-000-763	683281	Real-time <i>Sapphire</i> PCR Tube	0.2 mL	Optical	Natural	1000	10000
07-000-696	671201	<i>Sapphire</i> PCR Tube	0.2 mL	Domed	Natural	1000	10000
07-000-700	671273	<i>Sapphire</i> PCR Tube	0.2 mL	Domed	Red	1000	10000
07-000-702	671275	<i>Sapphire</i> PCR Tube	0.2 mL	Domed	Green	1000	10000
07-000-703	671276	<i>Sapphire</i> PCR Tube	0.2 mL	Domed	Yellow	1000	10000
07-000-704	671277	<i>Sapphire</i> PCR Tube	0.2 mL	Domed	Violet	1000	10000
07-000-316	683201	<i>Sapphire</i> PCR Tube	0.2 mL	Flat	Natural	1000	10000
07-000-317	683271	<i>Sapphire</i> PCR Tube	0.2 mL	Flat	Assorted	1000	10000
07-000-758	683273	<i>Sapphire</i> PCR Tube	0.2 mL	Flat	Red	1000	10000
07-000-759	683274	<i>Sapphire</i> PCR Tube	0.2 mL	Flat	Blue	1000	10000
07-000-760	683275	<i>Sapphire</i> PCR Tube	0.2 mL	Flat	Green	1000	10000
07-000-761	683276	<i>Sapphire</i> PCR Tube	0.2 mL	Flat	Yellow	1000	10000
07-000-762	683277	<i>Sapphire</i> PCR Tube	0.2 mL	Flat	Violet	1000	10000
07-000-764	684201	<i>Sapphire</i> PCR Tube	0.2 mL	No Lid	Natural	1000	10000
07-000-318	682201	<i>Sapphire</i> PCR Tube	0.5 mL	Flat	Natural	1000	10000
07-000-315	682273	<i>Sapphire</i> PCR Tube	0.5 mL	Flat	Red	1000	10000
07-000-754	682274	<i>Sapphire</i> PCR Tube	0.5 mL	Flat	Blue	1000	10000
07-000-755	682275	<i>Sapphire</i> PCR Tube	0.5 mL	Flat	Green	1000	10000
07-000-756	682276	<i>Sapphire</i> PCR Tube	0.5 mL	Flat	Yellow	1000	10000
07-000-757	682277	<i>Sapphire</i> PCR Tube	0.5 mL	Flat	Violet	1000	10000
07-000-314	682281	<i>Sapphire</i> PCR Tube	0.5 mL	Flat	Assorted	1000	10000

See page 54 for compatible small laboratory equipment.



## Strip Tubes & Caps

- Available in different colors
- Tubes and cap sold separately
- Flat ultra-clear 8-cap strips for Real-Time and Quantitative PCR

Free of detectable  
DNase, RNase,  
human DNA

PCR

Fisher Cat. No.	GBO Cat. No.	Description	Volume	Lid/Cap Type	Color	Pack Qty	Case Qty
<b>PCR Strip Tubes</b>							
07-000-310	673210	Sapphire PCR Strip Tubes	0.2 mL	-	Natural	125	1250
07-000-311	673271	Sapphire PCR Strip Tubes	0.2 mL	-	Red	125	1250
07-000-707	673273	Sapphire PCR Strip Tubes	0.2 mL	-	Blue	125	1250
07-000-708	673274	Sapphire PCR Strip Tubes	0.2 mL	-	Green	125	1250
07-000-709	673275	Sapphire PCR Strip Tubes	0.2 mL	-	Yellow	125	1250
07-000-710	673276	Sapphire PCR Strip Tubes	0.2 mL	-	Violet	125	1250
07-000-711	673277	Sapphire PCR Strip Tubes	0.2 mL	-	Assorted	125	1250
<b>PCR Strip Caps</b>							
07-000-535	373250	Real Time Sapphire PCR Strip Caps	-	Optical	Natural	125	1250
07-000-309	373270	Sapphire PCR Strip Caps	-	Domed	Natural	125	1250
07-000-536	373273	Sapphire PCR Strip Caps	-	Domed	Red	125	1250
07-000-537	373274	Sapphire PCR Strip Caps	-	Domed	Blue	125	1250
07-000-538	373275	Sapphire PCR Strip Caps	-	Domed	Green	125	1250
07-000-539	373276	Sapphire PCR Strip Caps	-	Domed	Yellow	125	1250
07-000-540	373277	Sapphire PCR Strip Caps	-	Domed	Violet	125	1250
07-000-541	373281	Sapphire PCR Strip Caps	-	Domed	Assorted	125	1250



## Strip Tubes & Caps - Combo Packs

- Tubes and caps sold together
- Comprehensive thermal cycler compatibility
- Flat ultra-clear caps for Real-Time and Quantitative PCR
- Available in 0.1 mL and 0.2 mL

Free of detectable  
DNase, RNase,  
human DNA

PCR

Fisher Cat. No.	GBO Cat. No.	Description	Volume	Color	Pack Qty	Case Qty
07-000-699	671241	COMBO Sapphire Real Time PCR Strip Tubes & Strip Caps, Standard Profile	0.2 mL	White	125	1250
07-000-712	673280	COMBO Sapphire Real Time PCR Strip Tubes & Strip Caps, Standard Profile	0.2 mL	Natural	125	1250
07-000-713	673281	COMBO Sapphire Real Time PCR Strip Tubes & Strip Caps, Low Profile	0.1 mL	Natural	125	1250
07-000-714	673282	COMBO Sapphire Real Time PCR Strip Tubes & Strip Caps, Low Profile	0.1 mL	White	125	1250



## 8-Tube Strips with Individually Attached Cap Strips

- Ultrathin walled tubes
- Caps close at an angle
- Flat ultra-clear caps for Real-Time and Quantitative PCR
- Available in standard, white or low profile
- Available in 0.1 mL and 0.2 mL

Free of detectable  
DNase, RNase,  
human DNA

PCR

Fisher Cat. No.	GBO Cat. No.	Description	Volume	Lid/Cap Type	Color	Pack Qty	Case Qty
07-000-557	608281	Sapphire PCR Strip Tubes	0.2 mL	Attached Optical Cap	Natural	120	1200
07-000-697	671221	Sapphire PCR Strip Tubes	0.1 mL	Attached Optical Cap	Natural	120	1200
07-000-698	671231	Sapphire PCR Strip Tubes	0.2 mL	Attached Optical Cap	White	120	1200
07-000-717	673285	Sapphire PCR Strip Tubes	0.1 mL	Attached Optical Cap	White	120	1200



### 8-Tube Strips with Attached Cap Strip

- Ultrathin walled tubes
- Full strip of caps attached at one end
- Optically-clear flat caps for Real-Time and Quantitative PCR

Free of detectable  
DNase, RNase,  
human DNA

PCR

Fisher Cat. No.	GBO Cat. No.	Description	Volume	Lid/Cap Type	Color	Pack Qty	Case Qty
07-000-556	608201	Sapphire PCR Strip Tubes	0.2 mL	Attached optical cap strip	Natural	125	1250



### Breakable 8-Tube Strips with Individually Attached Caps

- Ultrathin walled tubes
- Easy to break-apart for lower sample quantities
- Caps close at an angle
- Available with optically clear flat cap or dome cap

Free of detectable  
DNase, RNase,  
human DNA

PCR

Fisher Cat. No.	GBO Cat. No.	Description	Volume	Lid/Cap Type	Color	Pack Qty	Case Qty
07-000-715	673283	Sapphire PCR Breakable Strips	0.2 mL	Attached Dome Cap	Natural	120	1200
07-000-716	673284	Sapphire PCR Breakable Strips	0.2 mL	Attached Optical Cap	Natural	120	1200



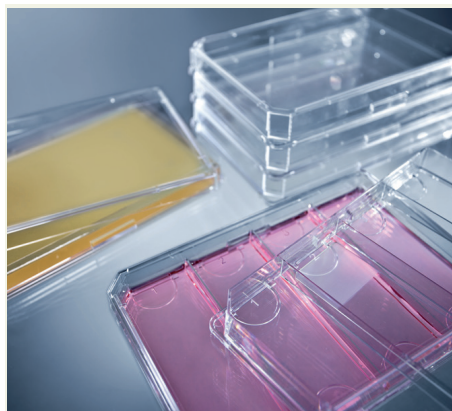
### Ergonomic 8-Tube Strips with Strip Caps

- Ultrathin walled tubes
- Greatly improved cap closure ergonomics
- High alphanumeric visibility for sample tracking
- Ergonomic caps are available separately

Free of detectable  
DNase, RNase,  
human DNA

PCR

Fisher Cat. No.	GBO Cat. No.	Description	Volume	Lid/Cap Type	Color	Pack Qty	Case Qty
07-000-542	373292	Sapphire PCR Flat Strip Caps	0.2 mL	Flat/Frosted	Natural	120	2400
07-000-543	373293	Sapphire PCR Flat Strip Caps	0.2 mL	Optical/Clear	Natural	120	2400
07-000-718	673286	COMBO Sapphire PCR Strip Tubes and Caps	0.2 mL	Flat/Frosted	Natural	120	2400
07-000-719	673287	COMBO Sapphire PCR Strip Tubes and Caps	0.2 mL	Optical/Clear	Natural	120	2400



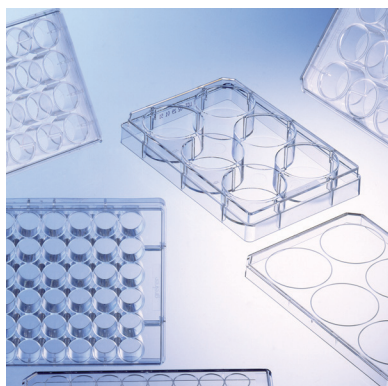
### CELLSTAR® OneWell™ Plate and FourWell Plate™, Tissue Culture

- OneWell Plate™ ideal for large quantities of cells and multipurpose applications
- FourWell Plate™ ideal for the cultivation of cells and the storage of microscopic slides
- Conform to ANSI recommendations, compatible with instruments for automation
- Available with TC treatment for adherent culture or no TC treatment for suspension culture

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Growth Area (cm <sup>2</sup> )	No. of Chambers	Total Volume (mL)	Lid	Sterile	TC Surface Treatment	Pack Qty	Case Qty
07-000-203	670180	95	1	113.7	Yes	Yes	Yes	8	32
07-000-204	670190	95	1	113.7	Yes	Yes	No	8	32
07-000-207	96077307	-	4	18.6/well	Yes	Yes	Yes	8	32



### CELLSTAR® Multiwell Plates, Tissue Culture Polystyrene

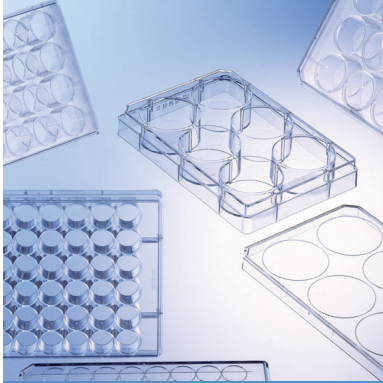
- 6, 12, 24 and 48 well formats
- Improved cell adhesion through physical surface (TC) treatment
- High transparency and low autofluorescence for excellent analysis by microscopy
- Condensation ring lids enable optimal gas exchange with the lowest possible evaporation
- Single position lids prevent cross-contamination
- Conform to ANSI recommendations, compatible with cell culture inserts and instruments for automation

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Growth Area (cm <sup>2</sup> )	Well Density	TC Treated	Sterile	Color	Chimney Style	With Lid	Pack Qty	Case Qty
07-000-208	657160	9.6	6 well	Yes	Yes	Clear	Yes	Yes	1	100
07-000-645	657165	9.6	6 well	Yes	Yes	Clear	Yes	Yes	5	120
07-000-202	665180	3.9	12 well	Yes	Yes	Clear	Yes	Yes	1	100
07-000-201	665165	3.9	12 well	Yes	Yes	Clear	Yes	Yes	5	120
07-000-674	662160	1.9	24 well	Yes	Yes	Clear	Yes	Yes	1	100
07-000-030	662165	1.9	24 well	Yes	Yes	Clear	Yes	Yes	5	120
07-000-206	677180	1.0	48 well	Yes	Yes	Clear	Yes	Yes	1	100
07-000-205	677165	1.0	48 well	Yes	Yes	Clear	Yes	Yes	5	120



## CELLSTAR® Multiwell Plates, Suspension Culture

- 6, 12, 24 and 48 well formats
- High transparency and low autofluorescence for excellent analysis by microscopy
- Condensation ring lids enable optimal gas exchange with the lowest possible evaporation
- Single position lids prevent cross-contamination
- Conform to ANSI recommendations, compatible with cell culture inserts and instruments for automation
- Available with hydrophobic surfaces (sterile, non TC-treated) for suspension and hybridoma cultures

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Growth Area (cm <sup>2</sup> )	Well Density	TC Treated	Sterile	Color	Chimney Style	With Lid	Pack Qty	Case Qty
07-000-208	657160	9.6	6 well	Yes	Yes	Clear	Yes	Yes	1	100
07-000-645	657165	9.6	6 well	Yes	Yes	Clear	Yes	Yes	5	120
07-000-202	665180	3.9	12 well	Yes	Yes	Clear	Yes	Yes	1	100
07-000-201	665165	3.9	12 well	Yes	Yes	Clear	Yes	Yes	5	120
07-000-674	662160	1.9	24 well	Yes	Yes	Clear	Yes	Yes	1	100
07-000-030	662165	1.9	24 well	Yes	Yes	Clear	Yes	Yes	5	120
07-000-206	677180	1.0	48 well	Yes	Yes	Clear	Yes	Yes	1	100
07-000-205	677165	1.0	48 well	Yes	Yes	Clear	Yes	Yes	5	120



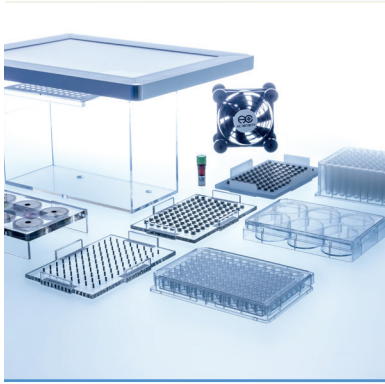
## ThinCert™ Tissue Culture Inserts

- Important research tool for transport, co-culture, migration and invasion studies
- Improved cell adhesion through physical surface (TC) treatment
- Stable clear polystyrene housing with sealed PET capillary pore membrane
- Hanging geometry provides protection to lower compartment cell layer
- Eccentric in-well positioning allows unequalled access to lower compartment; eliminates insert handling concerns for microscopic viewing, sampling and feeding of lower compartment cell layer
- Simplified pipetting due to self-lift geometry
- Single, sterile blister packing

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Size	Membrane Material	Pore Size (µm)	Pore Density (cm <sup>2</sup> )	Optical Properties	Pack Qty	Case Qty
07-000-648	657640	6 well	PET	0.4	1 x 10 <sup>9</sup>	Transparent	1	24
07-000-397	657641	6 well	PET	0.4	2 x 10 <sup>9</sup>	Transparent	1	24
07-000-398	657610	6 well	PET	1	2 x 10 <sup>9</sup>	Transparent	1	24
07-000-647	657630	6 well	PET	3	0.6 x 10 <sup>9</sup>	Transparent	1	24
07-000-399	657631	6 well	PET	3	2 x 10 <sup>9</sup>	Transparent	1	24
07-000-400	657638	6 well	PET	8	0.15 x 10 <sup>9</sup>	Transparent	1	24
07-000-388	665640	12 well	PET	0.4	1 x 10 <sup>9</sup>	Transparent	1	48
07-000-690	665641	12 well	PET	0.4	2 x 10 <sup>9</sup>	Transparent	1	48
07-000-389	665610	12 well	PET	1	2 x 10 <sup>9</sup>	Transparent	1	48
07-000-390	665630	12 well	PET	3	0.6 x 10 <sup>9</sup>	Transparent	1	48
07-000-391	665631	12 well	PET	3	2 x 10 <sup>9</sup>	Transparent	1	48
07-000-392	665638	12 well	PET	8	0.15 x 10 <sup>9</sup>	Transparent	1	48
07-000-677	662640	24 well	PET	0.4	1 x 10 <sup>9</sup>	Transparent	1	48
07-000-393	662641	24 well	PET	0.4	2 x 10 <sup>9</sup>	Transparent	1	48
07-000-394	662610	24 well	PET	1	2 x 10 <sup>9</sup>	Transparent	1	48
07-000-395	662630	24 well	PET	3	0.6 x 10 <sup>9</sup>	Transparent	1	48
07-000-676	662631	24 well	PET	3	2 x 10 <sup>9</sup>	Transparent	1	48
07-000-396	662638	24 well	PET	8	0.15 x 10 <sup>9</sup>	Transparent	1	48



## Magnetic 3D Cell Culturing

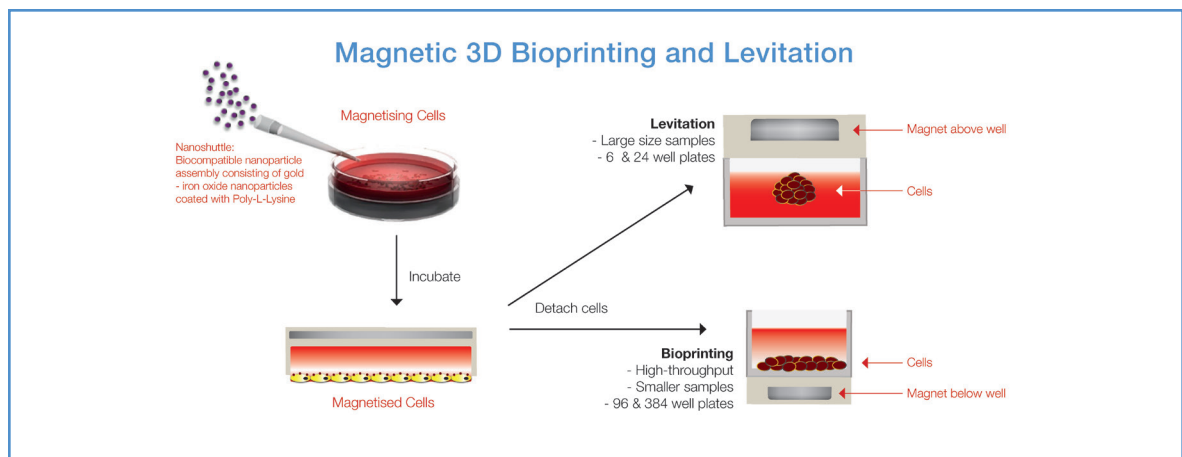
The core technology of Greiner Bio-One's Magnetic 3D Cell Culture is the magnetization of cells with NanoShuttle™ -PL. The cells can be aggregated with magnetic forces, either by levitation or printing, to form structurally and biologically representative 3D models in vitro.

- 3D in a 2D workflow
- Fast 3D tissue discovery
- Easy to handle / no sample loss
- Scalable - single well to 1536 well
- Ease of co-culturing cells
- High-throughput Screening (HTS) with flat bottom for optical imaging
- Ready for automation
- Positioning spheroid centrally within the well

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.

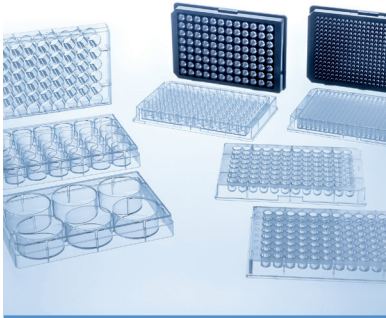
Fisher Cat. No.	GBO Cat. No.	Description	Pieces/Bag	Pieces/Box
	627830**	Single Well Drives Levitating Drive, Concentrating Drive	1	1
07-001-084	657840	6 well Bio-Assembler Kit	1	1
07-001-083	657830	6 well Drive Levitating Drive, Concentrating Drive	1	1
07-001-093	662840	24 well Bio-Assembler™ Kit	1	1
07-001-093	662830	24 well Drive Levitating Drive, Concentrating Drive	1	1
	662824**	24 well Custom Lid, 3D Printed Special Lid	1	1
07-001-078	655840	96 well Bioprinting Kit, Clear Plates	1	1
07-001-079	655841	96 well Bioprinting Kit, Black µClear Plates	1	1
07-001-080	655846	96 well BIO Assay™ Kit	1	1
07-001-081	655849	96 well BIO Assay™ Kit & Imaging System	1	1
	655850**	96 well Ring Drive	1	1
07-001-077	655830	96 well Drives, Spheroid and Holding	1	1
07-001-095	781840	384 well Bioprinting Kit, Clear Plates	1	1
07-001-096	781841	384 well Bioprinting Kit, Black µClear Plates	1	1
07-001-097	781846	384 well BIO Assay™ Kit	1	1
07-001-098	781849	384 well BIO Assay™ Kit & Imaging System	1	1
07-001-099	781850	384 well Ring Drive	1	1
07-001-094	781830	384 well Drives, Spheroid and Holding	1	1
07-001-101	789837	1536 well Holding Drive	1	1
	789850**	1536 Ring Drive	1	1
07-001-085	657841	NanoShuttle™-PL Refill, 600 µL Vial (1)	1	1
07-001-086	657843	NanoShuttle™-PL Refill 3 Pack, 600 µL Vials (3)	1	1
07-001-087	657846	NanoShuttle™-PL Refill 6 Pack, 600 µL Vials (6)	3	3
07-001-088	657847	NanoShuttle™-PL Refill 6 Pack with FREE iPod™ (Only with purchase of BIO Assay™ 655849 or 781849)	6	6
07-001-089	657850	MagPen™ 3 Pack	1	1
07-001-091	657860	n3Dock Imaging System	1	1
07-001-082	657810	Battery Power for the Imaging System	1	1

Magnetized cells can be aggregated with precise magnetic forces, either by levitation or 3D bioprinting, to form 3D cultures structurally and biologically representative of in vivo tissue. Spheroids can also be picked up and transferred between vessels using magnetic tools such as the MagPen™. NanoShuttle™-PL consists of gold, iron oxide, and poly-L-lysine nanoparticle assembly.<sup>2</sup> NanoShuttle™-PL magnetizes cells by electrostatically attaching to the cell membrane during an overnight static incubation or three simple centrifugation steps when cells are in suspension. Magnetized cells will appear „peppered“ with dark nanoparticles after incubation. NanoShuttle™-PL will stay attached to the cell membrane for up to 8 days, at which point it's released into the 3D culture extracellular matrix (ECM).<sup>2</sup> NanoShuttle™-PL is biocompatible, having no effect on metabolism, proliferation, protein expression, and inflammatory stress.<sup>2-6</sup> Additionally, it does not interfere with experimental techniques, such as fluorescence<sup>7</sup>, or Western blotting.



- 1) Tseng, H. et al. Assembly of a three-dimensional multiplex bronchiole coculture model using magnetic levitation. *Tissue Eng. Part C. Methods* 19, 665-75 (2013).
- 2) Souza, G. R. et al. Three-dimensional tissue culture based on magnetic cell levitation. *Nat. Nanotechnol.* 5, 291-6 (2010).
- 3) Tseng, H. et al. Assembly of a three-dimensional multiplex bronchiole coculture model using magnetic levitation. *Tissue Eng. Part C. Methods* 19, 665-75 (2013).
- 4) Tseng, H. et al. A three-dimensional co-culture model of the aortic valve using magnetic levitation. *Acta Biomater.* 10, 173-82 (2014).
- 5) Castro-Chavez, F., Vickers, K. C., Lee, J. S., Tung, C.-H. & Morrisett, J. D. Effect of lyso-phosphatidylcholine and Schnurri-3 on osteogenic transdifferentiation of vascular smooth muscle cells to calcifying vascular cells in 3D culture. *Biochim. Biophys. Acta* 1830, 3828-34 (2013).
- 6) Daquinag, A. C., Souza, G. R. & Kolonin, M. G. Adipose tissue engineering in three-dimensional levitation tissue culture system based on magnetic nanoparticles. *Tissue Eng. Part C. Methods* 19, 336-44 (2013).
- 7) Molina, J. R., Hayashi, Y., Stephens, C. & Georgescu, M.-M. Invasive glioblastoma cells acquire stemness and increased Akt activation. *Neoplasia* 12, 453-63 (2010).





Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

## CELLSTAR® Cell-Repellent Surface

### Cell culture vessels for suspension and spheroid culture

Greiner Bio-One introduces a new surface chemistry to effectively inhibit cell adhesion. Characterized by low cell attachment, the cell-repellent surface is ideal for applications such as:

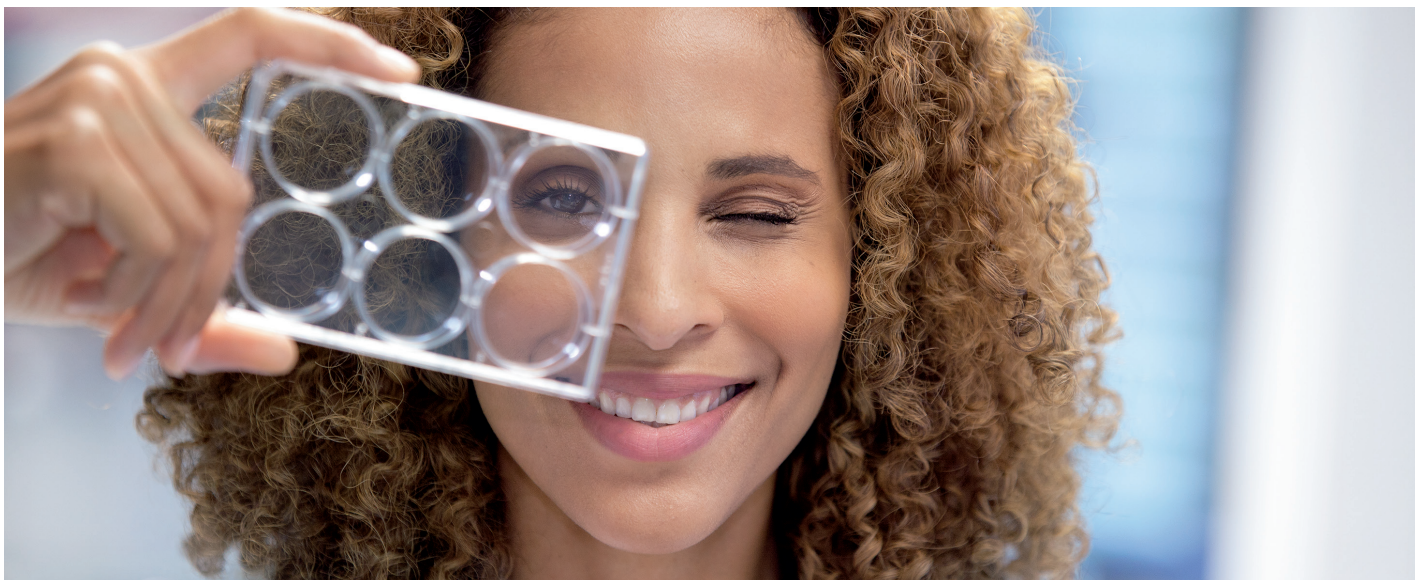
- Spheroid culture of tumor cells
- Spheroid culture of embryonic cells
- Embryoid body formation
- Suspension culture of semi-adherent and adherent cell lines (e.g. for suspension culture of macrophages)

Achieved through an innovative chemical polymer modification, Greiner Bio-One's cell-repellent surface does not degrade or leach under common cell culture conditions, rendering an ideal substrate for native cell culture experiments.

#### FEATURES

- Effectively inhibits cell adhesion
- 4 years shelf life
- Sterile
- Other formats available on request

Fisher Cat. No.	GBO Cat. No.	Description	Pieces/Bag	Pieces/Box
<b>Cell Culture Dish</b>				
07-000-584	627979	Cell Culture Dish, Ø 35 x 10 mm, PS, cell-repellent surface, clear, sterile, with lid	10	40
07-000-590	628979	Cell Culture Dish, Ø 60 x 15 mm, PS, cell-repellent surface, clear, sterile, with lid	10	20
07-000-687	664970	Cell Culture Dish, Ø 100 x 20 mm, PS, cell-repellent surface, clear, sterile, with lid	1	5
<b>Standard Cap Cell Culture Flask</b>				
07-000-768	690980	Cell Culture Flask, 50 mL, PS, cell-repellent surface, sterile, white screw cap	10	20
07-000-656	658980	Cell Culture Flask, 250 mL, PS, cell-repellent surface, sterile, white screw cap	5	15
07-000-662	660980	Cell Culture Flask, 550 mL, PS, cell-repellent surface, sterile, white screw cap	5	5
07-000-667	661980	Cell Culture Flask, 650 mL, PS, cell-repellent surface, sterile, white screw cap	4	4
<b>Filter Cap Cell Culture Flask</b>				
07-000-769	690985	Filter Cap Cell Culture Flask, 50 mL, PS, cell-repellent surface, sterile	10	20
07-000-657	658985	Filter Cap Cell Culture Flask, 250 mL, PS, cell-repellent surface, sterile	5	15
07-000-663	660985	Filter Cap Cell Culture Flask, 550 mL, PS cell-repellent surface, sterile	5	5
07-000-668	661985	Filter Cap Cell Culture Flask, 650 mL, PS, cell-repellent surface, sterile	4	4
<b>Multiwell Plate</b>				
07-000-651	657970	6 well Multiwell Plate, PS, cell-repellent surface, clear, sterile, with lid	1	5
07-000-683	662970	24 well Multiwell Plate, PS, cell-repellent surface, clear, sterile, with lid	1	5
07-000-728	677970	48 well Multiwell Plate, PS, cell-repellent surface, clear, sterile, with lid	1	5
<b>Microplate</b>				
07-000-612	650970	96 well Microplate, PS, U-bottom, cell-repellent surface, clear, sterile, with lid	1	6
	650979**	96 well Microplate, PS, U-bottom, cell-repellent surface, clear, sterile, with lid	8	32
07-000-618	651970	96 well Microplate, PS, V-bottom, cell-repellent surface, clear, sterile, with lid	1	6
07-000-200	655970	96 well Microplate, PS, F-bottom/chimney well, cell-repellent surface, clear, sterile, with lid	1	6
07-000-640	655976	96 well Microplate, PS, F-bottom/chimney well, cell-repellent surface, black µClear®, sterile, with lid	8	32
07-001-004	655976-SIN	96 well Microplate, PS, F-bottom/chimney well, cell-repellent surface, black µClear®, sterile, with lid	1	32
07-000-899	781970	384 well Microplate, PS, F-bottom, cell-repellent surface, clear, sterile, with lid	1	60
07-000-900	781976	384 well Microplate, PS, F-bottom, cell-repellent surface, black µClear®, sterile, with lid	8	32
07-001-044	781976-SIN	384 well Microplate, PS, F-bottom, cell-repellent surface, black µClear®, sterile, with lid	1	32
	787979**	384 well Microplate, PS, U-bottom, cell-repellent surface, clear, sterile, with lid	8	32
	789979**	1536 well Ultra Low Base SCREENSTAR Plate, CO, cell-repellent, sterile, flat bottom, black µClear®	17	68





Free of detectable DNase, RNase, human DNA, non-pyrogenic, non-cytotoxic

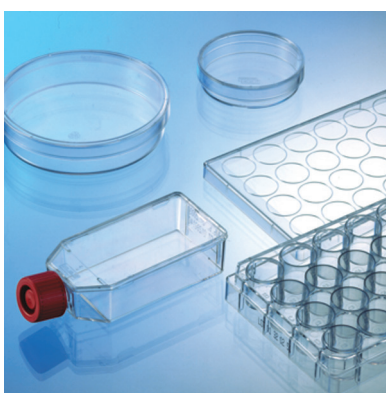
## Advanced TC™

The product range is comprised of multiwell plates, microplates, petri dishes and TC flasks. To differentiate Advanced TC™ tissue culture products from our CELLSTAR® tissue culture products, the flasks are delivered with **blue screw caps** and plates and dishes are labelled with an Advanced TC™ imprint.

- Optimized cell adherence
- Homogenous cell growth
- Higher transgene activity
- Storage at room temperature
- *In vivo*-like morphology
- Increased cell yield
- Improved assay consistency
- Two year shelf life

Fisher Cat. No.	GBO Cat. No.	Description	Sterile	Bag Qty	Case Qty
<b>Cell Culture Dishes</b>					
	627960**	Cell Culture Dish, Ø 35 x 10 mm, Advanced TC™	Yes	10	740
07-000-589	628960	Cell Culture Dish, Ø 60 x 15 mm, Advanced TC™	Yes	10	600
07-000-686	664960	Cell Culture Dish, Ø 100 x 20 mm, Advanced TC™	Yes	15	360
<b>Filter Cap Cell Culture Flasks</b>					
07-000-767	690975	Filter Cap Cell Culture Flask, 25 cm <sup>2</sup> , Advanced TC™	Yes	10	200
07-000-655	658975	Filter Cap Cell Culture Flask, 75 cm <sup>2</sup> , Advanced TC™	Yes	5	120
07-000-171	660975	Filter Cap Cell Culture Flask, 175 cm <sup>2</sup> , Max. Volume 550 mL, Advanced TC™	Yes	5	50
<b>Standard Cap Cell Culture Flasks</b>					
07-000-766	690960	Cell Culture Flask, 25 cm <sup>2</sup> , Advanced TC™	Yes	10	200
07-000-654	658970	Cell Culture Flask, 75 cm <sup>2</sup> , Advanced TC™	Yes	5	120
<b>Multiwell Plates</b>					
07-000-174	657960	6 well Plate, with lid, Advanced TC™	Yes	1	100
07-000-691	665980	12 well Plate, with lid, Advanced TC™	Yes	1	100
07-000-682	662960	24 well Plate, with lid, Advanced TC™	Yes	1	100
07-000-729	677980	48 well Plate, with lid, Advanced TC™	Yes	1	100
<b>Microplates</b>					
07-000-641	655980	96 well, F-bottom/chimney well, with lid, transparent, Advanced TC™	Yes	1	100
07-000-172	655983	96 well, F-bottom/chimney well, with lid, µClear®, white, Advanced TC™	Yes	8	32
07-000-643	655986	96 well, F-bottom/chimney well, with lid, µClear®, black, Advanced TC™	Yes	8	32
07-000-170	781983	384 well, F-bottom, µClear®, white, with lid, Advanced TC™	Yes	8	32
07-000-901	781986	384 well, F-bottom, µClear®, black, with lid, Advanced TC™	Yes	8	32

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



## CELLCOAT® Protein Coated Labware – Poly-L-Lysine

- Synthetic protein, 30-70 kDa
- Promotion of cell adhesion, proliferation and growth of transfected cell lines (e.g. HEK-293, PC12, L929, certain 3T3 cell lines), neuronal cell lines as well as primary neurons and glial cells
- Ideal for low-serum, serum-free cultivation and cell differentiation
- Poly-L-Lysine coating available on dishes, flasks, multiwell plates and microplates
- Lot number and best before date on packaging
- Store at room temperature

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Format	Growth Area (cm <sup>2</sup> )	Total Volume (mL)	Lid or Cap	Color	Pack Qty	Case Qty
07-000-586	628930	Dish, 60 x 15 mm	21	17	Vented lid	Clear	20	100
07-000-650	657930	Plate, 6 well	9.6	16.1	Condensation Ring lid	Clear	5	50
07-000-681	662930	Plate, 24 well	1.9	3.3	Condensation Ring lid	Clear	5	50
07-000-195	655930	Plate, 96 well	0.34	0.392	Condensation Ring lid	Clear	5	20
07-000-638	655936	Plate, 96 well	0.34	0.392	Condensation Ring lid	Black/µClear	5	20
07-000-893	781930	Plate, 384 well	0.1	0.131	Standard lid	Clear	5	20
07-000-894	781936	Plate, 384 well	0.11	0.138	Standard lid	Black/µClear	5	20

In addition to standard products listed within, custom coatings and coating overlays of extracellular matrix proteins are available for advanced applications, such as: Fibronectin, Laminin, Collagen Type IV, Poly Ornithine and/or PLO/LAM.



## CELLCOAT® Protein Coated Labware – Poly-D-Lysine

- Synthetic protein, 75-150 kDa
- Promotion of cell adhesion, proliferation and growth of transfected cell lines (e.g. HEK-293, PC12, L929, certain 3T3 cell lines), neuronal cell lines as well as primary neurons and glial cells
- Ideal for low-serum, serum-free cultivation and cell differentiation
- Poly-D-Lysine coating available on dishes, flasks, multiwell plates and microplates
- Lot number and best before date on packaging
- Store at room temperature
- Small packaging now available

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Format	Growth Area (cm <sup>2</sup> )	Total Volume (mL)	Lid or Cap	Color	Pack Qty	Case Qty
<b>Dishes</b>								
07-000-587	628940	Dish, 60 x 15 mm	21	17	Vented lid	Clear	20	100
07-000-189	664940	Dish, 100 x 20 mm	58	70	Vented lid	Clear	10	40
<b>Flasks</b>								
07-000-765	690940	Flask, 25 cm <sup>2</sup>	25	50	Filter cap	Clear	10	50
07-001-020	690940-010	Flask, 25 cm <sup>2</sup>	25	50	Filter cap	Clear	10	10
07-000-198	658940	Flask, 75 cm <sup>2</sup>	75	250	Filter cap	Clear	5	50
07-001-007	658940-010	Flask, 75 cm <sup>2</sup>	75	250	Filter cap	Clear	5	5
07-000-664	661940	Flask, 175 cm <sup>2</sup>	175	650	Filter cap	Clear	5	40
<b>Multiwell Plates</b>								
07-000-185	657940	Plate, 6 well	9.6	16.1	Condensation Ring lid	Clear	5	50
07-001-005	657940-005	Plate, 6 well	9.6	16.1	Condensation Ring lid	Clear	5	5
07-001-018	665940	Plate, 12 well	3.9	6.5	Condensation Ring lid	Clear	5	5
07-000-182	665940-005	Plate, 12 well	3.9	6.5	Condensation Ring lid	Clear	5	50
07-001-014	662940	Plate, 24 well	1.9	3.3	Condensation Ring lid	Clear	5	50
07-001-014	662940-005	Plate, 24 well	1.9	3.3	Condensation Ring lid	Clear	5	5
<b>Microplates</b>								
07-000-193	655940	Plate, 96 well	0.34	0.392	Condensation Ring lid	Clear	5	20
07-000-192	655945	Plate, 96 well	0.34	0.392	Condensation Ring lid	White	5	20
07-000-191	655944	Plate, 96 well	0.34	0.392	Condensation Ring lid	White/μClear	5	20
07-000-190	655946	Plate, 96 well	0.34	0.392	Condensation Ring lid	Black/μClear	5	20
07-000-187	655948	Plate, 96 well	0.34	0.392	Condensation Ring lid	Black/μClear	20	120
07-000-895	781940	Plate, 384 well	0.11	0.138	Standard lid	Clear	5	20
07-000-183	781945	Plate, 384 well	0.11	0.138	Standard lid	White	5	20
07-000-047	781944	Plate, 384 well	0.11	0.138	Standard lid	White/μClear	5	20
07-000-896	781947	Plate, 384 well	0.11	0.138	Standard lid	Black	5	20
07-000-046	781946	Plate, 384 well	0.11	0.138	Standard lid	Black/μClear	5	20
07-000-897	781948	Plate, 384 well	0.11	0.138	Standard lid	Black/μClear	20	120

In addition to standard products listed within, custom coatings and coating overlays of extracellular matrix proteins are available for advanced applications, such as: Fibronectin, Laminin, Collagen Type IV, Poly Ornithine and/or PLO/LAM.



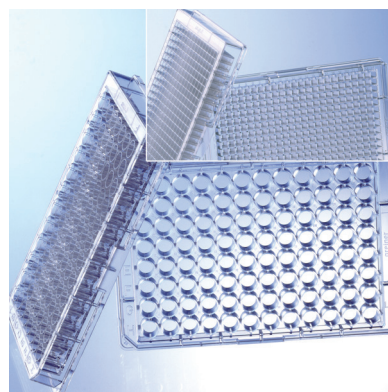
## CELLCOAT® Protein Coated Labware – Collagen Type I

- Rat tail Collagen Type I, Purity > 90% by SDS-PAGE
- Promotion of cell adhesion, proliferation and growth of endothelial cells, hepatocytes, muscle cells, pheochromocytoma cells (PC12) and other cell types
- Collagen coating available on dishes, flasks, multiwell plates and microplates
- Lot number and best before date on packaging
- Store at room temperature
- Small packaging now available

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Format	Growth Area (cm <sup>2</sup> )	Total Volume (mL)	Lid or Cap	Color	Pack Qty	Case Qty
<b>Dishes</b>								
07-000-588	628950	Dish, 60 x 15 mm	21	17	Vented lid	Clear	20	100
07-000-685	664950	Dish, 100 x 20 mm	58	70	Vented lid	Clear	10	40
<b>Flasks</b>								
07-000-197	690950	Flask, 25 cm <sup>2</sup>	25	50	Filter cap	Clear	10	50
07-001-021	690950-010	Flask, 25 cm <sup>2</sup>	25	50	Filter cap	Clear	10	10
07-000-653	658950	Flask, 75 cm <sup>2</sup>	75	250	Filter cap	Clear	5	50
07-001-008	658950-005	Flask, 75 cm <sup>2</sup>	75	250	Filter cap	Clear	5	5
07-000-196	661950	Flask, 175 cm <sup>2</sup>	175	650	Filter cap	Clear	5	40
<b>Multiwell Plate</b>								
07-000-184	657950	Plate, 6 well	9.6	16.1	Condensation Ring lid	Clear	5	50
07-001-006	657950-005	Plate, 6 well	9.6	16.1	Condensation Ring lid	Clear	5	5
07-000-188	655950	Plate, 12 well	0.34	0.392	Condensation Ring lid	Clear	5	50
07-001-019	665950-005	Plate, 12 well	0.34	0.392	Condensation Ring lid	Clear	5	5
07-000-181	662950	Plate, 24 well	1.9	3.3	Condensation Ring lid	Clear	5	50
07-001-015	662950-005	Plate, 24 well	1.9	3.3	Condensation Ring lid	Clear	5	5
<b>Microplates</b>								
07-000-186	655956	Plate, 96 well	0.34	0.392	Condensation Ring lid	Black/μClear	5	20
07-000-898	781950	Plate, 384 well	0.11	0.138	Standard lid	Clear	5	20
07-000-043	781956	Plate, 384 well	0.11	0.138	Standard lid	Black/μClear	5	20

In addition to standard products listed within, custom coatings and coating overlays of extracellular matrix proteins are available for advanced applications, such as: Fibronectin, Laminin, Collagen Type IV, Poly Ornithine and/or PLO/LAM

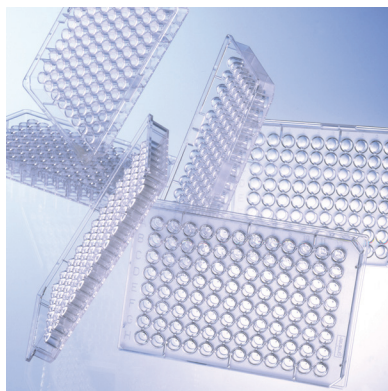


## 96 and 384 well Streptavidin Coated Plates Clear, Opaque Black, Opaque White & Black with μClear® Bottom, Polystyrene

- Pre-blocked
- Biotin binding capacity > 5 ng/well (96 well) and > 1.5 ng/well (384 well)
- Streptavidin leaching < 5 ng/well (96 well) and < 1 ng/well (384 well)
- Lot number and best before date on packaging
- Store at room temperature

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Plate Color	Bottom Color	Bottom Style	Chimney Style	With Lid	Pack Qty	Case Qty
	655990**	96 well	Clear	Clear	C	Yes	No	5	40
	655995**	96 well	White	White	C	Yes	No	5	40
	655996**	96 well	Black	μClear	Flat	Yes	No	5	40
	655997**	96 well	Black	Black	C	Yes	No	5	40
07-000-902	781990	384 well	Clear	Clear	Flat	No	No	5	40
07-000-905	781995	384 well	White	White	Flat	No	No	5	40
07-000-904	781996	384 well	Black	μClear	Flat	No	No	5	40
07-000-903	781997	384 well	Black	Black	Flat	No	No	5	40



## 96 well Microplates Clear, Polystyrene

- High clarity virgin polystyrene resin provides excellent optical clarity and consistency
- Conforms to ANSI/SBS - 1 (2004) Standard Footprint Dimensions to meet requirements for compatibility with equipment and robotics
- C (flat bottom with angled edge), flat, round and conical well bottoms (maximum volume 370 µL for C and flat; 300 µL for round and 234 µL for conical well formats)
- MICROLON® 200 (medium binding), MICROLON® 600 (high binding) and Non-binding formats available for consistent performance in binding assays
- CELLSTAR® formats available TC-treated and non-treated for culture of anchorage dependent cells and suspension culture, respectively
- Chimney well design reduces risk of cross-contamination and facilitates sealing by cap mat, thermal sealer or adhesive sealer; non-chimney well design also available

Free of detectable DNase, RNase, human DNA  
non-pyrogenic non-cytotoxic

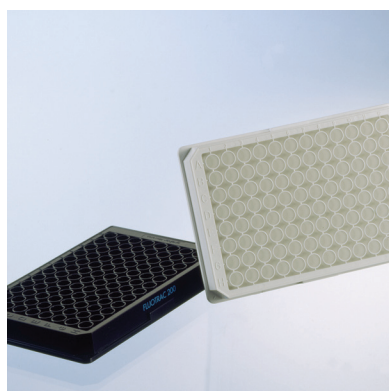
 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Bottom Style	Chimney Style	Plate Color	Feature	Treatment	Sterile	With Lid	Pack Qty	Case Qty
07-000-124	655101	96 well	Flat	No	Clear	-	None	No	No	5	100
07-000-100	655001	96 well	Flat	No	Clear	MICROLON 200	Medium Bind	No	No	5	40
07-000-102	655061	96 well	Flat	No	Clear	MICROLON 600	High Bind	Yes	No	5	40
07-001-000	655061-25 <sup>^</sup>	96 well	Flat	No	Clear	MICROLON 600	High Bind	Yes	No	25	150
07-000-099	655080	96 well	Flat	Yes	Clear	MICROLON 200	Medium Bind	No	No	5	40
07-000-101	655081	96 well	Flat	Yes	Clear	MICROLON 600	High Bind	Yes	No	5	40
07-000-627	655085	96 well	Flat w/ curved edge	Yes	Clear	MICROLON 600	High Bind	Yes	No	5	40
07-000-125	655161	96 well	Flat	No	Clear	-	None	Yes	No	2	100
07-000-628	655163	96 well	Flat	No	Clear	-	None	Yes	No	25	375
07-000-108	655185	96 well	Flat	Yes	Clear	CELLSTAR	None	Yes	Yes*	1	60
07-000-126	655160	96 well	Flat	Yes	Clear	CELLSTAR	TC	Yes	No	1	100
07-000-161	655162	96 well	Flat	Yes	Clear	CELLSTAR	TC	Yes	No	5	100
07-000-162	655180	96 well	Flat	Yes	Clear	CELLSTAR	TC	Yes	Yes*	1	100
07-000-163	655182	96 well	Flat	Yes	Clear	CELLSTAR	TC	Yes	Yes*	10	160
07-000-090	655901	96 well	Flat	Yes	Clear	-	Non-binding	No	No	10	40
07-000-200	655970	96 well	Flat	Yes	Clear	CELLSTAR	Cell-Repellent	Yes	Yes	1	6
07-000-641	655980	96 well	Flat	Yes	Clear	Advanced TC	Advanced TC	Yes	Yes	1	100
07-000-609	650101	96 well	Round	No	Clear	-	None	No	No	5	100
07-000-611	650172	96 well	Round	No	Clear	-	None	No	No	25	375
07-000-131	650001	96 well	Round	No	Clear	MICROLON 200	Medium Bind	No	No	5	40
07-000-608	650061	96 well	Round	No	Clear	MICROLON 600	High Bind	Yes	No	5	40
07-000-132	650161	96 well	Round	No	Clear	-	None	Yes	No	2	100
07-000-610	650162	96 well	Round	No	Clear	-	None	Yes	No	25	375
07-000-165	650160	96 well	Round	No	Clear	CELLSTAR	TC	Yes	No	1	100
07-000-164	650180	96 well	Round	No	Clear	CELLSTAR	TC	Yes	Yes	1	100
07-000-133	650185	96 well	Round	No	Clear	CELLSTAR	None	Yes	Yes	1	60
07-000-340	650901	96 well	Round	No	Clear	-	Non-binding	No	No	10	40
07-000-612	650970	96 well	Round	No	Clear	CELLSTAR	Cell-Repellent	Yes	Yes	1	6
07-000-613	650979	96 well	Round	No	Clear	CELLSTAR	Cell-Repellent	Yes	Yes	8	32
07-000-141	651001	96 well	Conical	No	Clear	MICROLON 200	Medium Bind	No	No	5	40
07-000-140	651061	96 well	Conical	No	Clear	MICROLON 600	High Bind	Yes	No	5	40
07-000-142	651101	96 well	Conical	No	Clear	-	None	No	No	5	100
07-000-614	651161	96 well	Conical	No	Clear	-	None	Yes	No	2	100
07-000-080	651162	96 well	Conical	No	Clear	-	None	Yes	No	25	375
07-000-168	651160	96 well	Conical	No	Clear	CELLSTAR	TC	Yes	No	1	100
07-000-617	651180	96 well	Conical	No	Clear	CELLSTAR	TC	Yes	Yes	1	100
07-000-618	651901	96 well	Conical	No	Clear	-	Non-binding	No	No	10	40
07-000-618	651970	96 well	Conical	No	Clear	CELLSTAR	Cell-Repellent	Yes	Yes	1	6

\* Lids with condensation rings for low evaporation.

<sup>^</sup> Minimum order quantities apply.

NOTE: CELLCOAT® Protein Coated Microplates are located on pages 30.



## 96 well Microplates

Black and White Opaque or with  $\mu$ Clear Bottom, Polystyrene and Cycloolefin

- Conforms to ANSI/SBS - 1 (2004) Standard Footprint Dimensions to meet requirements for compatibility with equipment and robotics
- Flat well bottom (370  $\mu$ L maximum well volume)
- White plates for luminescence assays; black plates for fluorescence assays
- LUMITRAC™, FLUOTRAC™ and CELLSTAR® formats satisfy a wide variety of applications, including cell based assays
- Lowest autofluorescence for fluorescent applications; lowest crosstalk for luminescent applications
- Chimney style; Sterile or Non-sterile; With and without condensation ring lids
- Sterile, High Binding versions without TC Treatment for Suspension Cell Culture

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic  
non-  
cytotoxic

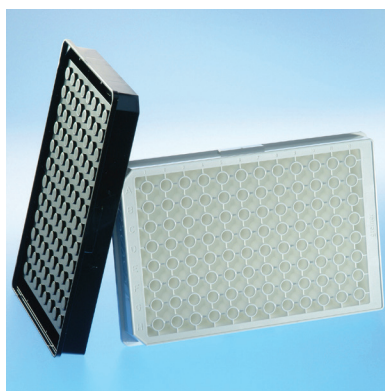
 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No	GBO Cat. No.	Well Density	Bottom Style	Chimney Style	Plate Color	Bottom Color	Feature	Treatment	Sterile	With Lid	Pack Qty	Case Qty
<b>Black and White Opaque</b>												
07-000-129	655076	96 well	Flat	Yes	Black	Black	FLUOTRAC 200	Medium Bind	No	No	5	40
07-000-127	655077	96 well	Flat	Yes	Black	Black	FLUOTRAC 600	High Bind	Yes	No	5	40
07-000-130	655075	96 well	Flat	Yes	White	White	LUMITRAC 200	Medium Bind	No	No	5	40
07-000-128	655074	96 well	Flat	Yes	White	White	LUMITRAC 600	High Bind	Yes	No	5	40
07-000-134	655079	96 well	Flat	Yes	Black	Black	CELLSTAR	TC	Yes	No	10	40
07-000-135	655086	96 well	Flat	Yes	Black	Black	CELLSTAR	TC	Yes	Yes	8	32
07-000-137	655073	96 well	Flat	Yes	White	White	CELLSTAR	TC	Yes	No	10	40
07-000-138	655083	96 well	Flat	Yes	White	White	CELLSTAR	TC	Yes	Yes	8	32
07-000-634	655900	96 well	Flat	Yes	Black	Black	-	Non-Binding	No	No	10	40
07-000-636	655904	96 well	Flat	Yes	White	White	-	Non-Binding	No	No	10	40

### Black and White $\mu$ Clear

07-000-088	655096	96 well		Yes	Black	$\mu$ Clear	FLUOTRAC 200	Medium Bind	No	No	10	40
07-000-089	655097	96 well		Yes	Black	$\mu$ Clear	FLUOTRAC 600	High Bind	Yes	No	10	40
07-000-640	655976	96 well		Yes	Black	$\mu$ Clear	Cell Repellent	Cell Repellent	Yes	Yes	8	32
07-001-004	655976-SIN	96 well		Yes	Black	$\mu$ Clear	Cell Repellent	Cell Repellent	Yes	Yes	1	32
07-000-098	655094	96 well		Yes	White	$\mu$ Clear	LUMITRAC 600	High Bind	Yes	No	10	40
07-000-097	655095	96 well		Yes	White	$\mu$ Clear	LUMITRAC 200	Medium Bind	No	No	10	40
07-000-136	655087	96 well		Yes	Black	$\mu$ Clear	CELLSTAR	TC	Yes	No	10	40
07-001-002	655090*	96 well		Yes	Black	$\mu$ Clear	CELLSTAR	TC	Yes	Yes	8	32
07-000-139	655088	96 well		Yes	White	$\mu$ Clear	CELLSTAR	TC	Yes	No	10	40
07-000-167	655098	96 well		Yes	White	$\mu$ Clear	CELLSTAR	TC	Yes	Yes	8	32
07-000-630	655866	96 well		Yes	Black	Clear	SCREENSTAR	TC	Yes	Yes	1	16
07-000-172	655983	96 well		Yes	White	$\mu$ Clear	Advanced TC	Advanced TC	Yes	Yes	8	32
07-000-643	655986	96 well		Yes	Black	$\mu$ Clear	Advanced TC	Advanced TC	Yes	Yes	8	32
07-000-635	655903	96 well		Yes	White	Clear	-	Non-Binding	No	No	10	40
07-000-637	655906	96 well		Yes	Black	Clear	-	Non-Binding	No	No	10	40

\* Also available with Black lid as GBO Cat. No. 655090-99



## 96 well Half Area Microplates Clear, Opaque Black & Opaque White, Polystyrene

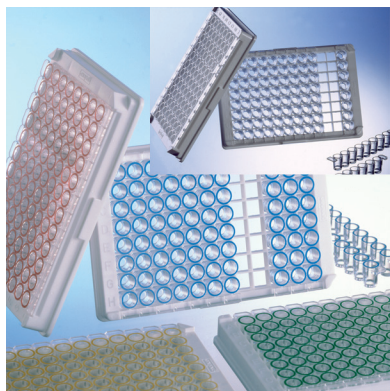
- Conforms to ANSI/SBS - 1 (2004) Standard Footprint Dimensions to meet requirements for compatibility with equipment and robotics
- Half Area microplates provide savings on reagents without having to incur capital investment to higher density plates. Sample volume is reduced by up to 50%
- LUMITRAC™, FLUOTRAC™ and CELLSTAR® formats satisfy a wide variety of applications, including cell based assays
- Lowest autofluorescence for fluorescent applications; lowest crosstalk for luminescent applications
- Sterile, High Binding versions without TC Treatment for Suspension Cell Culture

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Plate Style	Bottom Style	Chimney Style	Plate Color	Bottom Color	Feature	Treatment	Sterile	With Lid	Pack Qty	Case Qty
07-000-091	675101	96 well	Half Area	Flat	Yes	Clear	Clear	–	None	No	No	10	40
07-000-084	675001	96 well	Half Area	Flat	Yes	Clear	Clear	MICROLON 200	Medium Bind	No	No	10	40
07-000-720	675061	96 well	Half Area	Flat	Yes	Clear	Clear	MICROLON 600	High Bind	Yes	No	10	40
07-000-721	675076	96 well	Half Area	Flat	Yes	Black	Black	FLUOTRAC 200	Medium Bind	Yes	No	10	40
07-000-722	675077	96 well	Half Area	Flat	Yes	Black	Black	FLUOTRAC 600	High Bind	Yes	No	10	40
07-000-083	675074	96 well	Half Area	Flat	Yes	White	White	LUMITRAC 600	High Bind	Yes	No	10	40
07-000-085	675075	96 well	Half Area	Flat	Yes	White	White	LUMITRAC 200	Medium Bind	No	No	10	40
07-000-082	675161	96 well	Half Area	Flat	Yes	Clear	Clear	–	None	Yes	No	10	40
07-000-086	675180	96 well	Half Area	Flat	Yes	Clear	Clear	CELLSTAR	TC	Yes	Yes	8	32
07-000-095	675086	96 well	Half Area	Flat	Yes	Black	Black	CELLSTAR	TC	Yes	Yes	8	32
07-000-096	675083	96 well	Half Area	Flat	Yes	White	White	CELLSTAR	TC	Yes	Yes	8	32
07-000-093	675096	96 well	Half Area	Flat	Yes	Black	$\mu$ Clear	FLUOTRAC 200	Medium Bind	No	No	10	40
07-000-092	675097	96 well	Half Area	Flat	Yes	Black	$\mu$ Clear	FLUOTRAC 600	High Bind	Yes	No	10	40
07-000-723	675095	96 well	Half Area	Flat	Yes	White	$\mu$ Clear	FLUOTRAC 200	Medium Bind	No	No	10	40
07-000-094	675094	96 well	Half Area	Flat	Yes	White	$\mu$ Clear	FLUOTRAC 600	High Bind	Yes	No	10	40
07-000-061	675090	96 well	Half Area	Flat	Yes	Black	$\mu$ Clear	CELLSTAR	TC	Yes	Yes	8	32
07-000-087	675098	96 well	Half Area	Flat	Yes	White	$\mu$ Clear	CELLSTAR	TC	Yes	Yes	8	32



Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

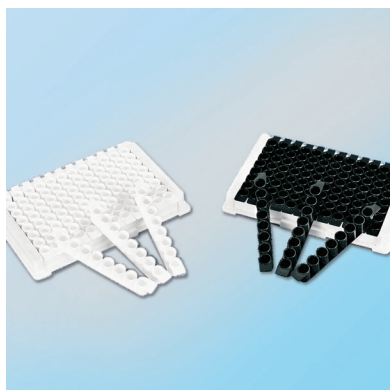
### 96 well Strip Plates Clear, Assembled With Frames, Polystyrene

- 1 x 8 Break-Apart, 1 x 8 Standard, 2 x 8 and 1 x 12 strip plate formats
- C (flat bottom with angled edge), flat and round bottom well options
- MICROLON® 200 (medium binding) and MICROLON® 600 (high binding) treatments
- Pre-assembled in white frames for secure processing
- Standard 1 x 8, 2 x 8 and 1 x 12 strips also sold without frames

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Strip Format	Bottom Style	Feature	Binding	Strip Color	Rim Color	Pack Qty	Case Qty
07-000-779	705070	96 well	Break-Apart, 1 x 8 well	Conical	MICROLON 200	Medium	Clear	Clear	5	100
07-000-780	705071	96 well	Break-Apart, 1 x 8 well	Conical	MICROLON 600	High	Clear	Clear	5	100
07-000-781	705073	96 well	Break-Apart, 1 x 8 well	Conical	MICROLON 600	High	Clear	Red	5	100
07-000-782	705074	96 well	Break-Apart, 1 x 8 well	Conical	MICROLON 600	High	Clear	Blue	5	100
07-000-783	705075	96 well	Break-Apart, 1 x 8 well	Conical	MICROLON 600	High	Clear	Green	5	100
07-000-784	705076	96 well	Break-Apart, 1 x 8 well	Conical	MICROLON 600	High	Clear	Yellow	5	100
07-000-843	762070	96 well	Standard, 1 x 8 well	Flat	MICROLON 200	Medium	Clear	Clear	5	100
07-000-844	762071	96 well	Standard, 1 x 8 well	Flat	MICROLON 600	High	Clear	Clear	5	100
07-000-851	767070	96 well	Standard, 1 x 8 well	Round	MICROLON 200	Medium	Clear	Clear	5	100
07-001-054	767071	96 well	Standard, 1 x 8 well	Round	MICROLON 600	High	Clear	Clear	5	100
07-000-772	701070	96 well	Standard, 1 x 12 well	Flat	MICROLON 200	Medium	Clear	Clear	5	100
07-000-73	701071	96 well	Standard, 1 x 12 well	Flat	MICROLON 600	High	Clear	Clear	5	100
07-000-833	754070	96 well	Standard, 2 x 8 well	Round	MICROLON 200	Medium	Clear	Clear	5	100
07-000-834	754061	96 well	Standard, 2 x 8 well	Round	MICROLON 600	High	Clear	Clear	5	100
07-000-839	756070	96 well	Standard, 2 x 8 well	Flat	MICROLON 200	Medium	Clear	Clear	5	100
07-000-840	756071	96 well	Standard, 2 x 8 well	Flat	MICROLON 600	High	Clear	Clear	5	100

Unassembled plate frames and well strips also sold separately. Contact Greiner Bio-One for catalog numbers.



Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

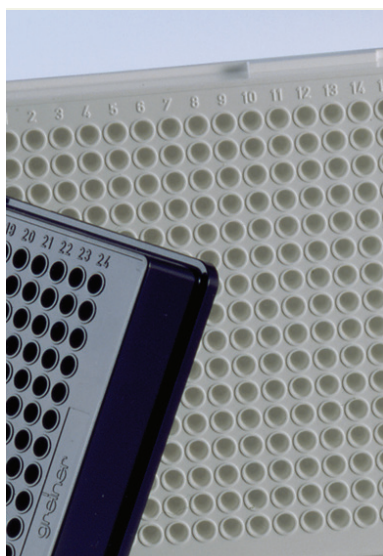
### 96 well Strip Plates Opaque Black & Opaque White, Assembled With Frames, Polystyrene

- 1 x 8 Standard, flat bottom, black or white strip plates
- FLUOTRAC™ 200 (medium binding) and FLUOTRAC™ 600 (high binding) black plates for fluorescence applications
- LUMITRAC™ 200 (medium binding) and LUMITRAC™ 600 (high binding) white plates for luminescence applications
- Pre-assembled in white frames for secure processing

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Strip Format	Bottom Style	Feature	Binding	Strip Color	Frame Color	Pack Qty	Case Qty
07-000-845	762074	96 well	Standard, 1 x 8 well	Flat	LUMITRAC 600	High	White	White	5	100
07-000-846	762075	96 well	Standard, 1 x 8 well	Flat	LUMITRAC 200	Medium	White	White	5	100
07-000-847	762076	96 well	Standard, 1 x 8 well	Flat	FLUOTRAC 200	Medium	Black	White	10	100
07-000-848	762077	96 well	Standard, 1 x 8 well	Flat	FLUOTRAC 600	High	Black	White	10	100
07-000-785	705091	96 well	1 x 8 Break apart	C-Bottom	Lumitrac 200	Medium	White	White	5	100
07-000-786	705092	96 well	1 x 8 Break apart	C-Bottom	Lumitrac 600	High	White	White	5	100





## 384 well Small Volume™ Microplates

Clear, Opaque Black, Opaque White, Black & White with  $\mu$ Clear® Bottom, Polystyrene and Cycloolefin

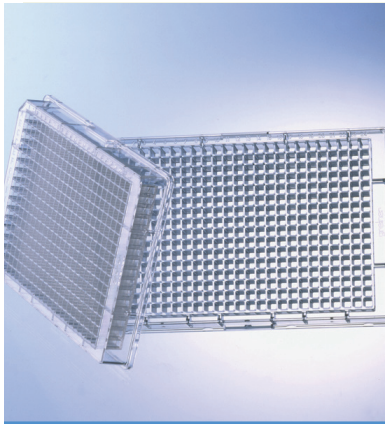
- Conforms to ANSI/SBS - 1 (2004) Standard Footprint Dimensions for equipment compatibility
- Provides additional savings on reagents without having to incur capital investment to higher density plates
- Compatible with all standard 384 well plate readers and dispensers (manual & automated)
- Round wells with conical geometry terminating in flat well bottom (28  $\mu$ L maximum well volume) allows for improved detection limits
- LUMITRAC™, FLUOTRAC™ and CELLSTAR® formats for a variety of applications, including cell based assays
- Lowest autofluorescence for fluorescent applications; lowest crosstalk for luminescent applications
- HiBase and LoBase platforms; LoBase platform ultra-thin (75  $\mu$ m)  $\mu$ Clear® plates ideal for assays when detection or imaging from the bottom is desired
- Sterile, High Binding versions without TC Treatment for Suspension Cell Culture

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Plate Style	Bottom Style	Chimney Style	Plate Color	Bottom Color	Feature	Treatment	Sterile	With Lid	Pack Qty	Case Qty
07-000-032	784101	384 well	HiBase	Flat	No	Clear	Clear	–	None	No	No	10	40
07-000-065	784076	384 well	HiBase	Flat	No	Black	Black	FLUOTRAC 200	Medium Bind	No	No	10	40
07-000-040	784076-25	384 well	HiBase	Flat	No	Black	Black	FLUOTRAC 200	Medium Bind	No	No	25	150
07-000-063	784077	384 well	HiBase	Flat	No	Black	Black	FLUOTRAC 600	High Bind	No	No	10	40
07-000-066	784075	384 well	HiBase	Flat	No	White	White	LUMITRAC 200	Medium Bind	No	No	10	40
07-000-041	784075-25	384 well	HiBase	Flat	No	White	White	LUMITRAC 200	Medium Bind	No	No	25	150
07-000-064	784074	384 well	HiBase	Flat	No	White	White	LUMITRAC 600	High Bind	No	No	10	40
07-000-038	784086	384 well	HiBase	Flat	No	Black	Black	CELLSTAR	TC	Yes	Yes	8	32
07-000-039	784080	384 well	HiBase	Flat	No	White	White	CELLSTAR	TC	Yes	Yes	8	32
07-000-916	784900	384 well	HiBase	Flat	No	Black	Black	–	Non-binding	No	No	10	40
07-000-077	784904	384 well	HiBase	Flat	No	White	White	–	Non-binding	No	No	10	40
07-000-035	788876	384 well	LoBase	Flat	Yes	Black	$\mu$ Clear	–	None	No	No	10	80
07-000-926	788890	384 well	LoBase	Flat	Yes	Black	$\mu$ Clear	CELLSTAR	TC	Yes	No	10	80
07-000-927	793855	384 well	HiBase	Flat	No	Clear	Clear	–	None	No	No	15	60
07-000-934	793865	384 well	HiBase	Flat	No	Clear	Clear	–	TC	Yes	No	15	60



### 384 well Microplates Clear, Opaque Black and White or with $\mu$ Clear Bottom, Polystyrene and Cycloolefin

- High clarity virgin polystyrene resin provides excellent optical clarity and consistency
- Conforms to ANSI/SBS - 1 (2004) Standard Footprint Dimensions to meet requirements for compatibility with equipment and robotics
- Square-round well geometry minimizes wicking and reduces air bubble formation
- $\mu$ Clear plates ideal for assays when detection or imaging from the bottom is desired
- LUMITRAC™, FLUOTRAC™, and CELLSTAR® formats satisfy a wide variety of applications
- MICROLON® 200 (medium binding) and MICROLON® 600 (high binding) formats available for consistent performance in binding assays
- CELLSTAR® TC-treated formats for culture of anchorage dependent cells
- Sterile, High Binding versions without TC Treatment for Suspension Cell Culture

NOTE: CELLCOAT® Protein Coated Microplates are located on pages 32 and 33.

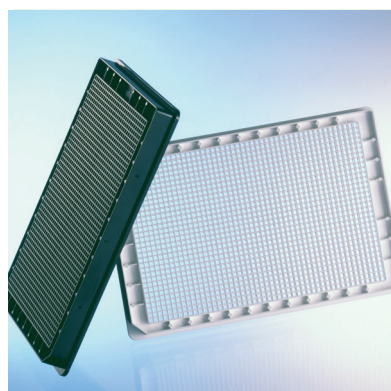
Free of detectable DNase, RNase, human DNA, non-pyrogenic, non-cytotoxic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Bottom Style	Chimney Style	Plate Color	Bottom Color	Feature	Treatment	Sterile	With Lid	Pack Qty	Case Qty
<b>Clear</b>												
07-000-051	781101	384 well	Flat	No	Clear	Clear	–	None	No	No	10	100
07-000-877	781162	384 well	Flat	No	Clear	Clear	–	None	Yes	No	10	100
07-000-881	781186	384 well	Flat	No	Clear	Clear	–	None	Yes	Yes	8	32
07-000-880	781185	384 well	Flat	No	Clear	Clear	–	None	Yes	Yes	1	32
07-001-033	781061*	384 well	Flat	No	Clear	Clear	MICROLON 600	High Bind	Yes	No	10	40
07-000-878	781165	384 well	Flat	No	Clear	Clear	CELLSTAR	TC	Yes	No	10	40
07-000-879	781182	384 well	Flat	No	Clear	Clear	CELLSTAR	TC	Yes	Yes	8	32
07-000-899	781970	384 well	Flat	No	Clear	Clear	CELLSTAR	Cell-Repellent	Yes	Yes	1	60
07-000-060	781901	384 well	Flat	No	Clear	Clear	–	Non-binding	No	No	10	40
	787979	384 well	Round	No	Clear	Clear	CELLSTAR	Cell-Repellent	Yes	Yes	8	32
<b>Black and White Opaque</b>												
07-000-056	781076	384 well	Flat	No	Black	Black	FLUOTRAC 200	Medium Bind	No	No	10	40
07-000-052	781077	384 well	Flat	No	Black	Black	FLUOTRAC 600	High Bind	Yes	No	10	40
07-001-036	781077-25	384 well	Flat	No	Black	Black	FLUOTRAC 600	High Bind	Yes	No	25	150
07-000-058	781075	384 well	Flat	No	White	White	LUMITRAC 200	Medium Bind	No	No	10	40
07-000-054	781074	384 well	Flat	No	White	White	LUMITRAC 600	High Bind	Yes	No	10	40
07-001-034	781074-25	384 well	Flat	No	White	White	LUMITRAC 600	High Bind	Yes	No	25	150
07-000-069	781079	384 well	Flat	No	Black	Black	CELLSTAR	TC	Yes	No	10	40
07-000-070	781086	384 well	Flat	No	Black	Black	CELLSTAR	TC	Yes	Yes	8	32
07-000-073	781073	384 well	Flat	No	White	White	CELLSTAR	TC	Yes	No	10	40
07-000-074	781080	384 well	Flat	No	White	White	CELLSTAR	TC	Yes	Yes	8	32
07-001-037	781080-20	384 well	Flat	No	White	White	CELLSTAR	TC	Yes	Yes	20	120
07-000-890	781900	384 well	Flat	No	Black	Black	–	Non-binding	No	No	10	40
07-000-891	781904	384 well	Flat	No	White	White	–	Non-binding	No	No	10	40
<b>Black and White <math>\mu</math>Clear</b>												
07-000-057	781096	384 well	Flat	No	Black	$\mu$ Clear	FLUOTRAC 200	Medium Bind	No	No	10	40
07-000-053	781097	384 well	Flat	No	Black	$\mu$ Clear	FLUOTRAC 600	High Bind	No	No	10	40
07-000-059	781095	384 well	Flat	No	White	$\mu$ Clear	LUMITRAC 200	Medium Bind	No	No	10	40
07-000-055	781094	384 well	Flat	No	White	$\mu$ Clear	LUMITRAC 600	High Bind	No	No	10	40
07-000-071	781092	384 well	Flat	No	Black	$\mu$ Clear	CELLSTAR	TC	Yes	No	10	40
07-000-072	781091	384 well	Flat	No	Black	$\mu$ Clear	CELLSTAR	TC	Yes	Yes	8	32
07-001-038	781090*	384 well	Flat	No	Black	$\mu$ Clear	CELLSTAR	TC	Yes	Yes	20	120
	781866**	384 well	Flat	No	Black	$\mu$ Clear	SCREENSTAR Ultra Low Well Base	TC	Yes	Yes	8	32
07-000-075	781093	384 well	Flat	No	White	$\mu$ Clear	CELLSTAR	TC	Yes	No	10	40
07-000-076	781098	384 well	Flat	No	White	$\mu$ Clear	CELLSTAR	TC	Yes	Yes	8	32
07-000-170	781983	384 well	Flat	No	White	$\mu$ Clear	Advanced TC	Advanced TC	Yes	Yes	8	32
07-000-901	781986	384 well	Flat	No	Black	$\mu$ Clear	Advanced TC	Advanced TC	Yes	Yes	8	32
07-000-031	781903	384 well	Flat	No	White	$\mu$ Clear	–	Non-binding	No	No	10	40
07-000-892	781906	384 well	Flat	No	Black	$\mu$ Clear	–	Non-binding	No	No	10	40
07-000-900	781976	384 well	Flat	No	Black	$\mu$ Clear	Cell-Repellent	Cell-Repellent	Yes	Yes	8	32
07-001-044	781976-SIN	384 well	Flat	No	Black	$\mu$ Clear	Cell-Repellent	Cell-Repellent	Yes	Yes	1	32

\* Also available with black lid as GBO Cat. No. 781090-99

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



## 1536 well Microplates

Clear, Opaque Black & Opaque White, or with with  $\mu$ Clear® Bottom , Polystyrene and Cycloolefin

- High clarity virgin polystyrene resin provides excellent optical clarity and consistency
- Conforms to ANSI/SBS - 1 (2004) Standard Footprint Dimensions to meet requirements for compatability with equipment and robotics
- Square-round well geometry minimizes wicking and reduces are bubble formation
- Flat well bottom
- $\mu$ Clear® plates ideal for assays when detection or imaging from bottom is desired
- MICROLON® 600 (high binding) format available for consistent performance in binding assays
- LUMITRAC™, FLUOTRAC™, and CELLSTAR® formats for a variety of applications, including cell based assays
- CELLSTAR® TC-treated format for culture of anchorage dependent cells
- HiBase and LoBase platforms
- Sterile, High Binding versions without TC Treatment for Suspension Cell Culture

Free of detectable DNase, RNase, human DNA, non-pyrogenic non-cytotoxic

||||| All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Plate Style	Bottom Style	Chimney Style	Plate Color	Bottom Color	Feature	Treatment	Sterile	With Lid	Pack Qty	Case Qty
<b>Clear</b>													
07-000-003	782101	1536 well	HiBase	Flat	No	Clear	Clear	-	None	No	No	15	60
07-000-907	782061	1536 well	HiBase	Flat	No	Clear	Clear	MICROLON 600	High Bind	No	Yes	15	60
07-000-908	782180	1536 well	HiBase	Flat	No	Clear	Clear	CELLSTAR	TC	Yes	Yes	1	40
07-000-909	782855	1536 well	Standard	Flat	No	Clear	Clear	-	Non-treated	No	No	15	60
07-000-009	783061	1536 well	LoBase	Flat	No	Clear	Clear	MICROLON 600	High Bind	No	Yes	15	60
07-000-011	783160	1536 well	LoBase	Flat	No	Clear	Clear	CELLSTAR	TC	Yes	No	15	60
	782865**	1536 well	HiBase	Flat	No	Clear	Clear		TC	Yes	No	15	60
<b>Black and White Opaque</b>													
07-000-002	782076	1536 well	HiBase	Flat	No	Black	Black	FLUOTRAC 200	Medium Bind	No	No	15	60
07-000-000	782077	1536 well	HiBase	Flat	No	Black	Black	FLUOTRAC 600	High Bind	Yes	No	15	60
07-000-004	782075	1536 well	HiBase	Flat	No	White	White	LUMITRAC 200	Medium Bind	No	No	15	60
07-000-001	782074	1536 well	HiBase	Flat	No	White	White	LUMITRAC 600	High Bind	Yes	No	15	60
07-000-025	782086	1536 well	HiBase	Flat	No	Black	Black	CELLSTAR	TC	Yes	Yes	10	40
07-000-005	782078	1536 well	HiBase	Flat	No	Black	Black	CELLSTAR	TC	Yes	No	15	60
07-000-027	782080	1536 well	HiBase	Flat	No	White	White	CELLSTAR	TC	Yes	Yes	10	40
07-000-006	782073	1536 well	HiBase	Flat	No	White	White	CELLSTAR	TC	Yes	No	15	60
07-000-910	782900	1536 well	HiBase	Flat	No	Black	Black	-	Non-binding	No	No	15	60
07-000-911	782904	1536 well	HiBase	Flat	No	White	White	-	Non-binding	No	No	15	60
<b>Black and White <math>\mu</math>Clear®</b>													
07-000-017	782096	1536 well	HiBase	Flat	No	Black	$\mu$ Clear	FLUOTRAC 200	Medium Bind	No	No	15	60
07-000-015	782097	1536 well	HiBase	Flat	No	Black	$\mu$ Clear	FLUOTRAC 600	High Bind	Yes	No	15	60
07-000-018	782095	1536 well	HiBase	Flat	No	White	$\mu$ Clear	LUMITRAC 200	Medium Bind	No	No	15	60
07-000-016	782094*	1536 well	HiBase	Flat	No	White	$\mu$ Clear	LUMITRAC 600	High Bind	Yes	No	15	60
07-000-024	782092	1536 well	HiBase	Flat	No	Black	$\mu$ Clear	CELLSTAR	TC	Yes	No	15	60
07-000-026	782093*	1536 well	HiBase	Flat	No	White	$\mu$ Clear	CELLSTAR	TC	Yes	No	15	60
07-000-021	783097	1536 well	LoBase	Flat	No	Black	$\mu$ Clear	FLUOTRAC 600	High Bind	Yes	No	15	60
07-000-930	789866	1536 well	Ultra LoBase	Flat	No	Black	$\mu$ Clear	SCREENSTAR Ultra Low Well Base	TC	Yes	No	17	68
07-000-931	789896	1536 well	Ultra LoBase	Flat	No	Black	$\mu$ Clear	SCREENSTAR Ultra Low Well Base	None	No	No	17	68

\*Minimum order quantities apply.

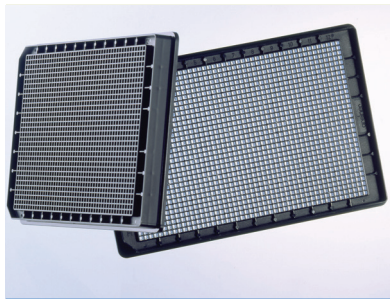
\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



### SCREENSTAR Microplates Microplate for High Resolution Microscopy

- Recessed film bottom facilitating the use of lenses with low working distance and high aperture
- Cycloolefin film bottom with 190 µm thickness and reduced background in the lower UV
- Superior film quality to enable high-quality images at high magnification
- Round well geometry to reduce optical distortions
- 96 well features protective film on plate bottom that must be removed before use
- Proven cell culture surface treatment with reliable and homogenous cell growth
- Individually wrapped plate with lid and easy-to-open packaging
- Also available as Glass Bottom CELLVIEW™ (655891)

Fisher Cat. No.	GBO Cat. No.	Well Density	Plate Style	Bottom Style	Chimney Style	Plate Color	Bottom Color	Sterile	With Lid	Feature	Treatment	Pieces/ Bag	Pieces/ Box
07-000-630	655866	96 well	SCREENSTAR	Flat	Yes	Black	Clear	Yes	Yes	Ultra Low Well Base	TC	1	16
	781866**	384 well	SCREENSTAR	Flat	No	Black	Clear	Yes	Yes	Ultra Low Well Base	TC	8	32
07-000-930	789866	1536 well	SCREENSTAR	Flat	No	Black	Clear	Yes	Yes	Ultra Low Well Base	TC	17	68
07-000-931	789896	1536 well	SCREENSTAR	Flat	No	Black	Clear	No	No	Ultra Low Well Base	None	17	68



### SensoPlate™ Glass Bottom Microplates

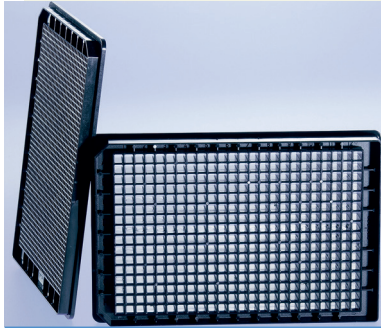
- Ideal for fluorescence correlation spectroscopy (FCS)
- Available in 24, 96 and 384 well formats
- Low autofluorescence, high optical clarity
- 175 µm borosilicate glass bottom and black polystyrene frame
- Bottom flatness better than 100 µm
- Biocompatible adhesive
- Transmission measurement capability in wavelength range above 350 nm
- Sterile, with lid

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Plate Style	Bottom Style	Bottom	Plate Color	Chimney Style	Treated	Sterile	With Lid	Pack Qty	Case Qty
07-000-680	662892	24 well		Flat	Glass	Black	Yes	No	Yes	Yes	1	12
07-001-013	662892P	24 well		Flat	Glass	Black	Yes	No	Yes	Yes	1	1
07-000-109	655892	96 well		Flat	Glass	Black	Yes	No	Yes	Yes	1	16
07-001-003	655892P	96 well		Flat	Glass	Black	Yes	No	Yes	Yes	1	1
07-000-042	781892	384 well		Flat	Glass	Black	No	No	Yes	Yes	1	16
07-001-043	781892P	384 well		Flat	Glass	Black	No	No	Yes	Yes	1	1
07-000-020	783892	1536 well	LoBase	Flat	Glass	Black	No	No	Yes	Yes	1	16
07-000-019	783892P	1536 well	LoBase	Flat	Glass	Black	No	No	Yes	Yes	1	1

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



## CELLVIEW™ Microplates

### Glass Bottom Microplates

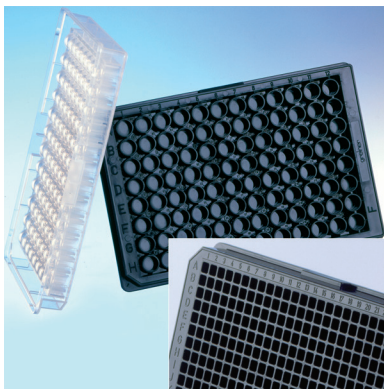
- Ultra low well base enables high magnification, high numerical aperture imaging
- 96, 384 and 1536 well formats
- Lids sold separately (pg. 54)
- For High-Content Screening applications

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Plate Style	Bottom Style	Bottom	Plate Color	Chimney Style	Treated	Sterile	With Lid	Pack Qty	Case Qty
07-000-631	655891	96 well	extra LoBase	Flat	Glass	Black	No	Yes	Yes	Yes	1	16
07-000-887	781855	384 well	extra LoBase	Flat	Glass	Black	No	Yes	Yes	No	1	16
07-000-913	783856*	1536 well	extra LoBase	Flat	Glass	Black	No	No	No	No	1	16

\*Please inquire with GBO Account Manager.



## 96 and 384 well Microplates

### Polypropylene

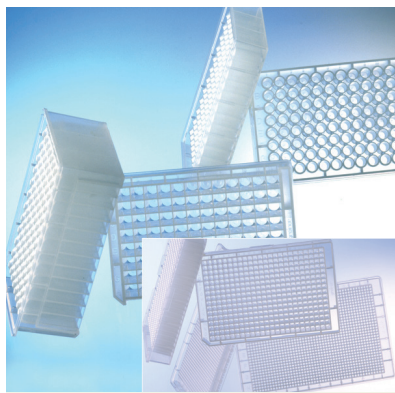
- Virgin polypropylene resin
- Biologically inert
- High chemical and thermal resistance (-196 °C to +121 °C)
- Manufactured in molds engineered specifically for polypropylene
- Conforms to ANSI/SBS - 1 (2004) Standards
- Footprint Dimensions to meet requirements for compatibility with equipment and robotics
- 96 well: Chimney-well design with flat, round and conical well bottoms having 390, 355 and 340 µL maximum well volumes, respectively
- 384 well: Square round well top design with flat or conical well bottoms having 152 and 145 µL maximum well volumes, respectively
- Sterile and pigmented versions

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-cytotoxic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Bottom Style	Chimney Style	Color	Sterile	With Lid	Pack Qty	Case Qty
07-000-113	655201	96 well	Flat	Yes	Natural	No	No	10	100
07-000-114	655203	96 well	Flat	Yes	Red	No	No	10	100
07-000-111	655204	96 well	Flat	Yes	Blue	No	No	10	100
07-000-112	655205	96 well	Flat	Yes	Green	No	No	10	100
07-000-116	655206	96 well	Flat	Yes	Yellow	No	No	10	100
07-000-110	655209	96 well	Flat	Yes	Black	No	No	10	100
07-000-117	655261	96 well	Flat	Yes	Natural	Yes	No	10	100
07-000-146	650201	96 well	Round	Yes	Natural	No	No	10	100
07-000-147	650203	96 well	Round	Yes	Red	No	No	10	100
07-000-144	650204	96 well	Round	Yes	Blue	No	No	10	100
07-000-145	650205	96 well	Round	Yes	Green	No	No	10	100
07-000-149	650206	96 well	Round	Yes	Yellow	No	No	10	100
07-000-148	650207	96 well	Round	Yes	White	No	No	10	100
07-000-143	650209	96 well	Round	Yes	Black	No	No	10	100
07-000-150	650261	96 well	Round	Yes	Natural	Yes	No	10	100
07-000-153	651201	96 well	Conical	Yes	Natural	No	No	10	100
07-000-154	651203	96 well	Conical	Yes	Red	No	No	10	100
07-000-151	651204	96 well	Conical	Yes	Blue	No	No	10	100
07-000-152	651205	96 well	Conical	Yes	Green	No	No	10	100
07-000-155	651206	96 well	Conical	Yes	Yellow	No	No	10	100
07-000-156	651209	96 well	Conical	Yes	Black	No	No	10	100
07-000-157	651261	96 well	Conical	Yes	Natural	Yes	No	10	100
07-000-049	781201	384 well	Flat	No	Natural	No	No	10	100
07-000-883	781209	384 well	Flat	No	Black	No	No	10	100
07-000-882	781207	384 well	Flat	No	White	No	No	10	100
07-000-050	781280	384 well	Conical	No	Natural	No	No	10	100
07-000-886	781281	384 well	Conical	No	Natural	Yes	No	10	100



### 96, 384 and 1536 well MASTERBLOCK® Deep-Well Plates, Polypropylene

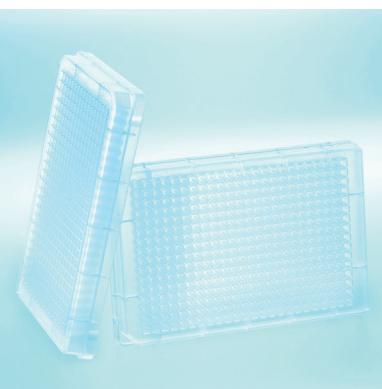
- Virgin polypropylene resin
- Biologically inert
- High chemical and thermal resistance (-196 °C to +121 °C)
- Manufactured in molds engineered specifically for polypropylene
- Conforms to ANSI/SBS - 1 (2004) Standard Footprint Dimensions to meet requirements for compatibility with equipment and robotics
- 96 well: 0.5, 1.0 and 2.0 mL versions having 780, 1200 and 2400 µL maximum well volumes, respectively
- 384 well: Square round well top design with conical (240 µL maximum volume) well bottoms
- 1536 well: Square round well top design with conical (18 µL maximum well volume) well bottoms
- Sterile and pigmented versions

Free of detectable DNase, RNase, human DNA  
non-pyrogenic

non-cytotoxic

||||| All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Volume Per Well	Well Top Shape	Well Bottom Shape	Sterile	Color	Chimney Style	With Lid	Pack Qty	Case Qty
07-000-160	786201	96 well	0.5 mL	Round	Conical	No	Natural	Yes	No	8	80
07-000-169	786261	96 well	0.5 mL	Round	Conical	Yes	Natural	Yes	No	1	80
07-000-119	780201	96 well	1.0 mL	Round	Round	No	Natural	Yes	No	1	50
07-000-120	780210	96 well	1.0 mL	Round	Round	No	Natural	Yes	No	50	50
07-000-118	780215	96 well	1.0 mL	Round	Round	No	Natural	Yes	No	5	50
07-000-159	780261	96 well	1.0 mL	Round	Round	Yes	Natural	Yes	No	1	50
07-000-121	780270	96 well	2.0 mL	Square	Conical	No	Natural	No	No	1	50
07-000-873	780271	96 well	2.0 mL	Square	Conical	Yes	Natural	No	No	1	50
07-000-103	780275	96 well	2.0 mL	Square	Conical	Yes	Green	No	No	1	50
07-000-104	780276	96 well	2.0 mL	Square	Conical	Yes	Yellow	No	No	1	50
07-000-123	780280	96 well	2.0 mL	Square	Conical	No	Natural	No	No	50	50
07-000-122	780285	96 well	2.0 mL	Square	Conical	No	Natural	No	No	5	50
07-000-874	780286	96 well	2.0 mL	Square	Conical	Yes	Natural	No	No	5	50
07-000-048	781270	384 well	240 µL	Square round	Conical	No	Natural	No	No	6	60
07-000-885	781271	384 well	240 µL	Square round	Conical	Yes	Natural	No	No	6	60
07-000-013	782261	1536 well	18 µL	Square round	Conical	Yes	Natural	No	No	15	60
07-000-012	782270	1536 well	18 µL	Square round	Conical	No	Natural	No	No	15	60



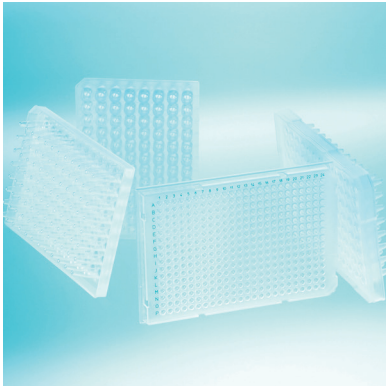
### 384 Deep-Well Small Volume™ Microplates Polypropylene

- Standardized plate geometry (conform to ANSI/SBS 1-2004)
- Large working volume from 1 µL to 90 µL (107 µL maximum volume)
- Dead volume below 1 µL
- Focused liquid samples
- No loss of valuable compounds
- White and black versions are available on request

Free of detectable DNase, RNase, human DNA  
non-pyrogenic

||||| All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Bottom Style	Chimney Style	Color	Sterile	With Lid	Pack Qty	Case Qty
07-001-055	784201	384 Deep Well Small Vol	Conical/Flat	No	Natural	No	No	10	100
07-000-914	784209	384 Deep Well Small Vol	Conical/Flat	No	Black	No	No	10	100
07-000-915	784261	384 Deep Well Small Vol	Conical/Flat	No	Natural	No	Yes	10	100



## PCR Microplates

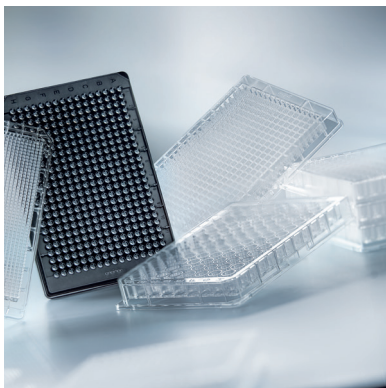
High quality 96 and 384 well PCR microplates for ultra high throughput DNA analysis. Innovative manufacturing for uniform wall thickness and tight dimensional tolerances provide fast, consistent results.

- 96 well and 384 well formats
- Full, partial and non-skirted
- Ultra-thin polypropylene for optimal heat transfer
- Highly visible alphanumerics
- Compatible with variety of instruments, including ABI and LightCycler® (compatibility chart available – contact your Account Manager)

Free of detectable DNase, RNase, human DNA non-pyrogenic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Material	Color	Format	With Lid	Pack Qty	Case Qty
<b>Standard</b>								
07-000-106	652201	96 well	PP	Clear	No skirt	No	10	100
07-000-312	652210	96 well	PP	Clear	No skirt, Low profile	No	10	100
07-000-105	652250	96 well	PP	Clear	No skirt	No	10	100
07-000-045	652270	96 well	PP	Clear	Full skirt	No	10	100
07-000-917	785201	384 well	PP	Clear	Full skirt	No	15	60
<b>Rigid</b>								
07-000-619	652230	96 well	Proprietary	Clear	Full skirt	No	20	400
07-000-997	652230P	96 well	Proprietary	Clear	Full skirt	No	10	20
	652235**	96 well	Proprietary	Clear	Half skirt	No	20	400
	652235P**	96 well	Proprietary	Clear	Half skirt	No	10	20
<b>ABI</b>								
07-000-620	652240	96 well	PP	Clear	Half skirt, ABI "Fast" design	No	10	100
07-000-107	652260	96 well	PP	Clear	Half skirt	No	10	100
07-000-313	652290	96 well	PP	Clear	Half skirt	No	10	100
07-000-044	785290	384 well	PP	Clear	Full skirt	No	15	60
<b>LightCycler</b>								
07-000-621	652285	96 well	PP	Clear	Half skirt	No	10	100
07-000-695	669285	96 well	PP	White	Full skirt	No	10	100
07-000-918	785235	384 well	PP	White	Full skirt	No	10	100
07-000-919	785286	384 well	PP	Clear	Full skirt	No	10	100



## UV-Star® 96, 96 Half Area and 384 well Microplates

- Microplates designed and optimized for absorbance readings down to 230 nm
- Ideal for measurements of DNA / RNA and protein concentrations at 260 and 280 nm, respectively
- 135 µm film bottoms ensure exceptionally low backgrounds for more accurate measurements
- 100% Transmittance at preferred wavelengths
- Innovative molding technique eliminates possibility of film detachment
- Suitable for storage down to -80°C; DMSO resistant
- Expensive and fragile quartz glass microplates are no longer required for routine laboratory work

Free of detectable DNase, RNase, human DNA non-pyrogenic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Color	Format	TC	Sterile	With Lid	Pack Qty	Case Qty
07-000-407	655801	96 well	Clear	Chimney	No	No	No	10	40
	655865**	96 well	Clear	Chimney	Yes	Yes	Yes	8	32
07-000-629	655809	96 well	Black/µClear®	Chimney	No	No	No	10	40
07-000-724	675801	96 well	Clear	Half-Area	No	No	No	10	40
07-000-406	781801	384 well	Clear	Standard	No	No	No	10	40
	781865**	384 well	Clear	Standard	Yes	Yes	No	10	40
07-000-926	788876	384 well	Black/µClear®	Small Volume LoBase	No	No	No	10	80
07-000-927	788890	384 well	Black/µClear®	Small Volume LoBase	Yes	Yes	No	10	80

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



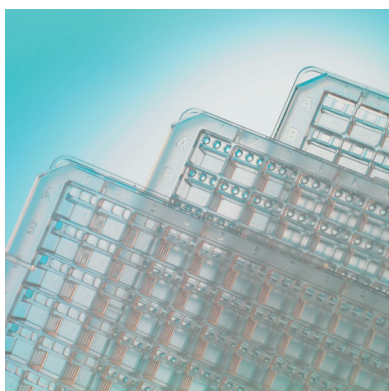
## Storage Plates for Acoustic Liquid Handling Cycloolefin (CO) and polypropylene (PP)

- 96, 384, 1536 well formats
- Manufactured under strict production specifications with low tolerances
- Excellent for automation
- Individual barcoding on request
- May be used in both compound storage and screening assay applications
- Specific products available with deionized, antistatic packaging

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Well Density	Well Bottom	Plate Style	Format	Material	Plate Color	TC	Sterile	With Lid	Pack Qty	Case Qty
07-000-724	675801	96 well	Flat	Half Area	Standard	CO	Clear	No	No	No	10	40
07-000-407	655801	96 well	Flat	Chimney	Standard	CO	Clear	No	No	No	10	40
	655865**	96 well	Flat	Chimney	Standard	CO	Clear	Yes	Yes	Yes	8	32
07-001-039	781201-906	384 well	Flat	Standard	Standard	PP	Clear	No	No	No	10	100
	781265**	384 well	Flat	Standard	TC	PP	Clear	Yes	No	No	10	100
07-000-406	781801	384 well	Flat	Standard	Standard	CO	Clear	No	No	No	10	40
07-000-926	788876	384 well	Flat	Small Volume	LoBase	CO	Black/μClear®	Yes	No	No	10	80
07-000-927	788890	384 well	Flat	Small Volume	LoBase	CO	Black/μClear®	Yes	Yes	No	10	80
	781865**	384 well	Flat	Standard	HiBase	CO	Clear	Yes	Yes	No	10	40
07-000-934	793855	384 well	Flat	Small Volume	HiBase	CO	Clear	No	No	No	15	60
	793865**	1536 well	Flat	Standard	HiBase	CO	Clear	Yes	Yes	No	16	60
07-000-909	782855	1536 well	Flat	Standard	HiBase	CO	Clear	No	No	No	15	60
	782865**	1536 well	Flat	Standard	HiBase	CO	Clear	Yes	Yes	No	15	60
07-000-932	792870	1536 well	Flat	Low Evaporation	HiBase	CO	Clear	No	No	No	15	60
07-000-933	792891			Cycloolefin Lid for 792870		CO	Clear	No	No	NA	30	120



## CrystalQuick™ – High Throughput Protein Crystallization

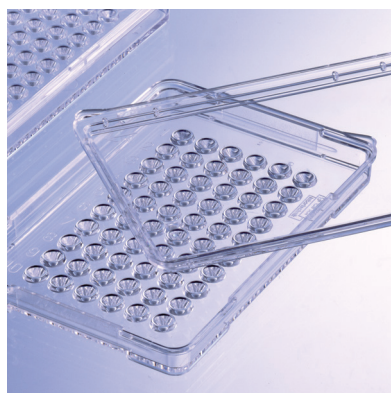
- CrystalQuick™ plates for sitting drop protein crystallization with up to 288 sample wells possible
- CrystalDrop™ Lids for hanging drop protein crystallization with 192 sample wells
- Low birefringent (LBR) options for superior optical properties with polarized light
- Hydrophobic surface treatment ideal for membrane proteins
- Highly transparent VIEWseal™ film for precise optical visualization
- Automation friendly

 All Greiner Bio-One plates can be barcoded to your specifications

Fisher Cat. No.	GBO Cat. No.	Description	Material	Sample Well Profile	Sample Well Bottom	Sample Wells	Max. Well Volume (μL)	Volume per Reservoir	Height (mm)	Treatment	Pack Qty	Case Qty
07-000-559	609101	CrystalQuick™	PS	Square	Flat	3	4.1	320	14.4	–	10	40
07-000-565	609801	CrystalQuick™	LBR	Square	Flat	3	4.1	320	14.4	–	10	40
07-000-560	609120	CrystalQuick™	PS	Round	Concave	3	1.9	320	14.4	–	10	40
07-000-566	609820	CrystalQuick™	LBR	Round	Concave	3	1.9	320	14.4	–	10	40
07-000-563	609171	CrystalQuick™ LP	PS	Square	Flat	1	3.9	140	8.0	–	20	80
07-000-568	609871	CrystalQuick™ LP	LBR	Square	Flat	1	3.9	140	8.0	–	20	80
07-000-561	609130	CrystalQuick™ Plus	PS	Square	Flat	3	4.1	320	14.4	Hydrophobic	10	40
07-000-567	609830	CrystalQuick™ Plus	LBR	Square	Flat	3	4.1	320	14.4	Hydrophobic	10	40
07-000-564	609180	CrystalQuick™ Plus LP	PS	Square	Flat	1	3.9	140	8.0	Hydrophobic	20	80
07-000-408	676070	VIEWseal™ Pressure Sensitive Microplate Sealer, Optically Clear	–	–	–	–	–	–	–	–	100	100

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.





## Microbatch Under Oil Protein Crystallization

### 60 and 72 well Terasaki Plates

Terasaki plates are widely used for microbatch crystallization. The crystallization drop is localized centrally as a result of the conical well geometry, and the flat well bottom makes for optimal monitoring. The rim of the Terasaki plates makes it possible to fill all of the wells with oil at the same time. As a result of the small external dimensions and the low profile of the Terasaki plates, the space required for storage is relatively small. Terasaki plates are supplied with a fitting lid.

The plates are also supplied with surface treatment in the Terasaki plate section. The treatment of the plates influences the sticking of the crystallization drop to the bottom of the well.

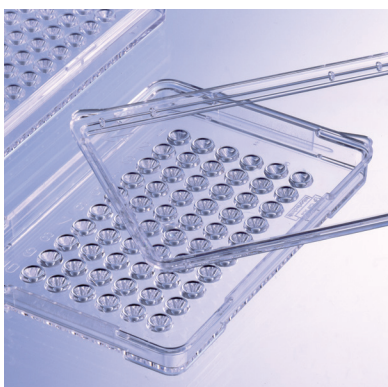
Fisher Cat. No.	GBO Cat. No.	Description	Material	Format	Plate Color	Well Profile	Well Bottom	Well Diameter (mm)	Max. Well Volume (mL)	Height (mm)	Pack Qty	Case Qty
07-000-623	653102	Terasaki Plate	PS	60 well	Clear	Conical	Flat	1.30	11.5	10.0	10	580
07-000-625	654102	Terasaki Plate	PS	72 well	Clear	Conical	Flat	1.30	11.5	10.0	10	270



## ComboPlate™ Protein Crystallization

- Universal, automation friendly 24 well ComboPlate™ for protein crystallization
- Flattened, raised ring around each well reduces the risk of cross-contamination and optimizes use with coverslips
- CrystalBridge™ fit exactly into the wells of the ComboPlate™ for sitting drop applications
- Siliconized glass coverslips available for ComboPlate™ (18 mm) and Linbro plates (22 mm)
- Conforms to ANSI/SBS – 1 (2004) Standard Footprint Dimensions to meet requirements for compatibility with equipment and robotics

Fisher Cat. No.	GBO Cat. No.	Description	Material	Format	Treatment	Well Bottom	Well Diameter	Max. Well Volume (µL)	Height (mm)	Pack Qty	Case Qty
07-000-672	662145	CrystalBridge	PS	1 well	–	Concave	4.6	45	13	250	250
07-000-673	662150	ComboPlate	PS	24 well	–	Flat	16.3	3300	19	6	24
07-000-551	501870	Cover Slip	Glass	Round	Siliconized	Flat	18	–	0.2	100	1000
	503850**	Cover Slip	Glass	Round	Siliconized	Flat	22	–	.55	25	1000
07-000-552	503870	Cover Slip	Glass	Round	Siliconized	Flat	22	–	0.2	100	1000



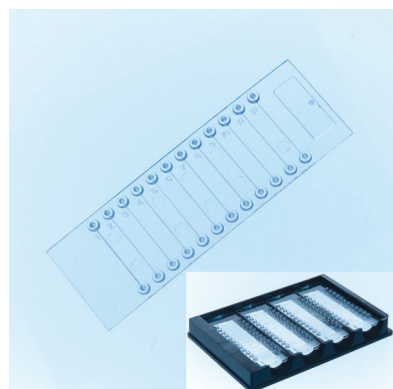
## Terasaki Plates

- Manufactured from crystal clear polystyrene for microscopic examinations
- Smooth hydrophilic surface suitable for serological determination of Human Leukocyte Antigens
- 60 and 72 well formats
- Individual well volume of 10 µL
- Available in traditional height or space saver design with recessed lid
- Select high throughput folding carton packaging or inner wrapped sleeves of 10 plates

Fisher Cat. No.	GBO Cat. No.	Well Density	Space Saver Design with Recessed Lid	Lids Included	Pack Qty	Case Qty
07-000-401	653180	60 well	No	1 per plate	10	270
07-000-624	653190*	60 well	No	1 per plate	120*	480
07-000-658	659180	60 well	Yes	1 per 10 plates	10	200
07-000-659	659190	60 well	Yes	1 per plate	150*	1200
07-001-009	659190P	60 well	Yes	1 per plate	150*	150
07-000-402	654180	72 well	No	1 per plate	10	270
07-000-852	769180	72 well	Yes	1 per 10 plates	10	200
07-000-853	769190	72 well	Yes	1 per plate	150*	1200
07-001-026	769190P	72 well	Yes	1 per plate	150*	150

\*Folding carton

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.



## CrystalSlide™

### Plastic Micro-Channel Platform for Counter Diffusion Crystallography

- Counter Diffusion Crystallography within a standard microscope slide format
- Design and material optical properties renders excellent suitability for *in-situ* X-ray data collection, structure determination and crystal analysis
- Low birefringent, UV-light transmissive
- X-ray transmissive
- 12 channels per slide
- Channel dimensions 0.1 mm, height 0.1 mm, length 20 mm
- Channel volume 200 uL

Fisher Cat. No.	GBO Cat. No.	Description	Pack Qty	Case Qty
07-000-550	444820	CrystalSlide, 12 Micro-Channel Platform for Counter Diffusion Crystallography*	4	20
	On request	Slide holder	1	1

\* now with peelable film bottom for ease of crystal harvesting from channels



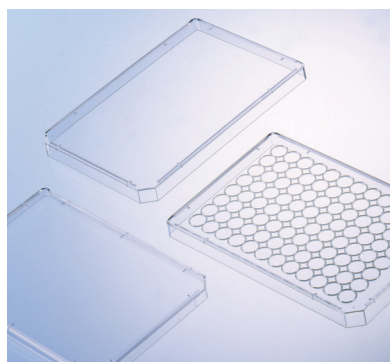
## Plate Sealers

- EASYseal™ – adhesive sealer for everyday laboratory requirements: coverage/storage; protection against evaporation and contamination
- VIEWseal™ – highly transparent film for precise optical measurements: ideally suited for protein crystallography and Real-Time PCR
- SILVERseal™ – pierceable aluminum foil coated with an acrylate adhesive: ideally suited for PCR applications and storage of sample material and active agents
- AMPLIseal™ – highly transparent film with minimal autofluorescence: ideally suited for Real Time PCR
- Non-sterile

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

Fisher Cat. No.	GBO Cat. No.	Product Name	Non-Tacky Adhesive	Optically Clear	Pierceable	Color	Pack Qty	Case Qty
07-000-277	676001	EASYseal	No	Yes	No	Clear	100	100
07-000-408	676070	VIEWseal	Yes	Yes	No	Clear	100	100
07-000-379	676090	SILVERseal	No	No	Yes	Silver	100	100
07-000-726	676040	AMPLIseal	No	No	No	Clear	100	100



## Plate Lids Polystyrene

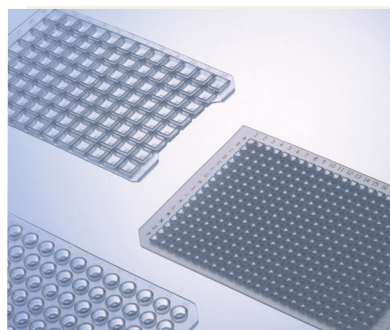
- Standard Profile lid without condensation rings mainly used for non TC-treated 96 well microplates
- Standard Profile lid with condensation rings recommended insert for TC-treated 96 well microplates in cell culture applications
- Low Profile Lid recommended for 384 well standard microplates
- Ultra Low Profile Lid recommended for 384 well LoBase Small Volume™ and 1536 well microplates
- Standard Profile and Low Profile Lid have corner notches for proper orientation
- Ultra Low Profile Lid has a universal design with no corner notches
- Black opaque lids for light sensitive assay protection
- Wide variety of packaging options

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic

 All Greiner Bio-One plates can be barcoded to your specifications

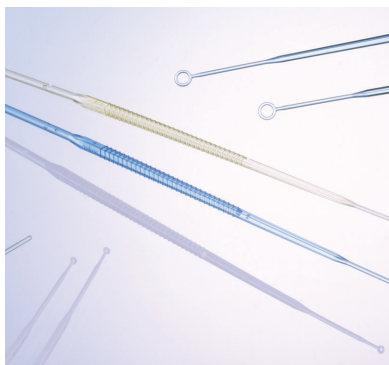
Fisher Cat. No.	GBO Cat. No.	Skirt Format	Condensation Rings	Material	Sterile	Color	Pack Qty	Case Qty
07-000-294	656101	Standard	No	PS	No	Clear	1	100
07-000-292	656197	Standard	No	PS	No	Clear	10	150
07-000-295	656161	Standard	No	PS	Yes	Clear	1	100
07-000-293	656196	Standard	No	PS	Yes	Clear	10	100
07-000-288	656170	Standard	Yes	PS	No	Clear	1	100
07-000-284	656178	Standard	Yes	PS	No	Clear	10	150
07-000-285	656171	Standard	Yes	PS	Yes	Clear	1	100
07-000-286	656176	Standard	Yes	PS	Yes	Clear	10	150
07-000-287	656172	Standard	Yes	PS	Yes	Clear	5	480
07-000-290	656190	Low Profile	No	PS	No	Clear	20	200
07-000-291	656191	Low Profile	No	PS	Yes	Clear	20	200
07-000-289	656199	Low Profile	No	PS	No	Black	1	50
07-000-297	691101	Ultra Low Profile	No	PS	No	Clear	5	100
07-000-296	691161	Ultra Low Profile	No	PS	Yes	Clear	5	100
07-000-933	792891	Ultra Low Profile	No	CO	No	Clear	30	120
07-001-053	792891-ST	Ultra Low Profile	No	CO	Yes	Clear	30	120



## Cap Mats

- Flexible silicon or robust EVA (ethyl vinyl acetate)
- DMSO resistant
- High thermal resistance (EVA withstands -20°C to +60°C; silicone withstands -60°C to +121°C)
- Alphanumerically labeled to ensure correct fitting and orientation
- Round well and square well formats
- 96 well format

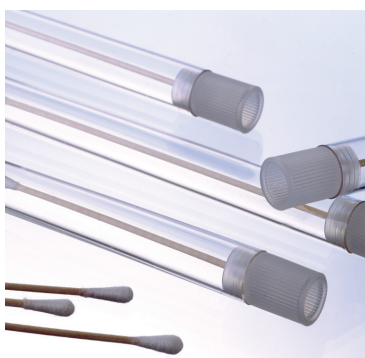
Fisher Cat. No.	GBO Cat. No.	Fits Well Density	Fits Well Shape	Material	Sterile	Color	Pack Qty	Case Qty
07-000-176	381070	96 well	Round	EVA	No	Clear	10	50
07-000-177	381061	96 well	Round	EVA	Yes	Clear	1	50
07-000-178	381080	96 well	Square	EVA	No	Clear	10	50
07-000-179	381081	96 well	Square	EVA	Yes	Clear	1	50



## Disposable Inoculation Loops / Needles

- Sterilized by irradiation
- Needles ideal for picking single colonies
- Flexible loops for easier collection and inoculation
- Color coding for volume differentiation
- Single and bulk packaging options

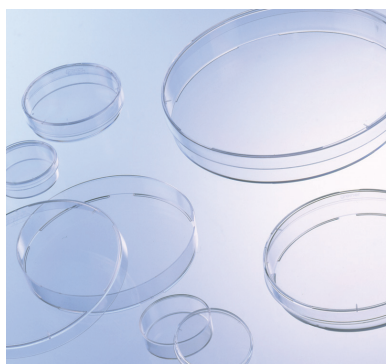
Fisher Cat. No.	GBO Cat. No.	Description	Length [mm]	Color	Sterile	Pack Qty	Case Qty
<b>Inoculation Needle</b>							
07-000-805	731180	Inoculation needle	200	Yellow	Yes	50	2000
07-000-283	731181	Inoculation needle	200	Yellow	Yes	1	600
07-000-806	731185	Inoculation needle	200	Yellow	Yes	10	3000
<b>Inoculation Loop</b>							
07-000-282	731101	Inoculation loop	1	White	Yes	50	2000
07-000-802	731161	Inoculation loop	1	White	Yes	1	600
07-000-803	731165	Inoculation loop	1	White	Yes	10	3000
07-000-804	731170	Inoculation loop	10	White	Yes	50	2000
07-000-280	731171	Inoculation loop	10	White	Yes	1	600
07-000-281	731175	Inoculation loop	10	White	Yes	10	3000



## Swab Tubes / Swabs

- Suitable for collection and transport of non-human bacteriological and cytological samples
- Sterilized by irradiation
- Swab tubes are made of polystyrene
- Swabs are made of cotton

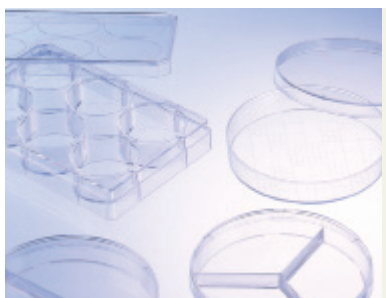
Fisher Cat. No.	GBO Cat. No.	Description	Width [mm] x Height [mm]	Sterile	Pack Qty	Case Qty
07-000-548	421161	Swab tube	16 x 152	Yes	-	1000
07-000-549	421180	Swab tube	16 x 152	Yes	1	700
07-000-547	421084	Swab	145	Yes	1	1400



## Petri Dishes

- Available in various sizes
- Easy stacking
- Vented for better gas exchange and non-vented for long incubation period
- Heavy design for better heat resistance using hot agar
- Sterile, irradiated options are also available
- Manufactured from crystal clear polystyrene for optimal analysis by microscopy

Fisher Cat. No.	GBO Cat. No.	Description	Width x Height	Vents	Sterile	Pack Qty	Case Qty
07-000-327	627102	Petri Dish	Ø 35 x 10 mm	Yes	No	10	740
07-000-338	627161	Petri Dish	Ø 35 x 10 mm	Yes	Yes	10	740
07-000-328	628102	Petri Dish	Ø 60 x 150 mm	Yes	No	20	600
07-000-339	628161	Petri Dish	Ø 60 x 150 mm	Yes	Yes	20	600
07-000-336	632180	Petri Dish	Ø 94 x 16 mm	No	No	20	480
07-000-341	632181	Petri Dish	Ø 94 x 16 mm	No	Yes	20	480
07-000-334	633180	Petri Dish	Ø 94 x 16 mm	Yes	No	20	480
07-000-335	633181	Petri Dish	Ø 94 x 16 mm	Yes	Yes	20	480
07-000-332	639102	Petri Dish	Ø 145 x 20 mm	Yes	No	15	120
07-000-331	639161	Petri Dish	Ø 145 x 20 mm	Yes	Yes	15	120
07-000-326	664102	Petri Dish (Heavy Design)	Ø 100 x 20 mm	Yes	No	15	360
07-000-684	664161	Petri Dish (Heavy Design)	Ø 100 x 20 mm	Yes	Yes	15	360

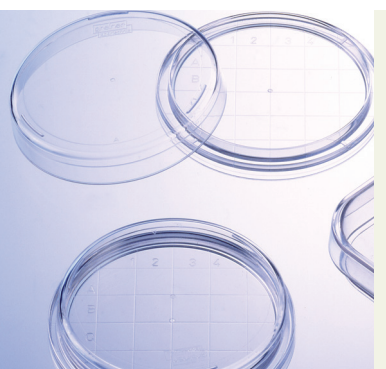


## Petri Dishes – Special Models / Germ Count Dish / Microplate

07-000-595

- Manufactured from crystal clear and heat resistant polystyrene for optimal analysis by microscopy

Fisher Cat. No.	GBO Cat. No.	Description	Special Feature	Width x Height	Vents	Sterile	Pack Qty	Case Qty
07-000-322	635102	Petri Dish	2 Compartments	Ø 94 x 15 mm	Yes	No	20	480
07-000-595	635161	Petri Dish	2 Compartments	Ø 94 x 15 mm	Yes	Yes	20	480



## Contact Dishes / Petri Dish Square CellStar® OneWell™ Plate

- CELLSTAR® OneWell Plate™ for Cell Culture Applications (see page 24)
- Manufactured from crystal clear and heat resistant polystyrene

Fisher Cat. No.	GBO Cat. No.	Description	Width x Height	Vents	Sterile	Pack Qty	Case Qty
07-000-591	629161	Contact Dish	Ø 65 x 15 mm	No	Yes	20	600
07-000-592	629180	Contact Dish	Ø 65 x 15 mm	Yes	Yes	20	600
07-000-079	657102	Multiwell Plate with lid	6 well	Yes	No	20	480
07-000-646	657185	Multiwell Plate with lid	6 well	Yes	Yes	20	480
07-000-322	635102	Petri Dish	Ø 94 x 15 mm	Yes	No	2	100
07-000-595	635161	Petri Dish	Ø 94 x 15 mm	Yes	Yes	2	100
07-000-224	670102	OneWell Plate	127.8 x 85.5 x 14.4mm	Yes	No	8	32
07-000-204	670190	OneWell Plate	127.8 x 85.5 x 14.4mm	Yes	Yes	8	32
07-000-337	688102	Petri Dish - Square	120 x 120 x 17 mm	Yes	No	10	240
07-000-330	688161	Petri Dish - Square	120 x 120 x 17 mm	Yes	Yes	10	240



### Vortex Mixer

GBO Cat. No. 844050\*\*

- Powerful motor for INSTANT vortexing of up to 50 mL tubes
- Dynamic balance system to minimize noise and vibration
- Touch or continuous operation
- Variable speed control from 200 to 3200 RPM
- Compatible with all Greiner Bio-One tubes
- 2 year warranty



### Mini Block Heater

GBO Cat. No. 848050\*\*

- Simple touchpad operation
- Easy-to-read digital display
- Compact, fits in the palm of your hand
- Exchangeable blocks for tubes from 0.2 to 50 mL
- 2 year warranty



### Sapphire MaxiPette

GBO Cat. No. 847050\*\*

- Self-inverted and ergonomic design for easy handling
- Variable speed control
- Cordless and rechargeable
- Compatible with Greiner Bio-One serological pipettes
- 2 year warranty



### Mini Centrifuge

GBO Cat. No. 843050\*\*

- Ideal for quick spin downs of microtubes and PCR tubes Rotor instantly reaches 6,000 RPM
- Storage compartment for PCR tube rotor
- Decelerates in just one second
- Compatible with Greiner Bio-One PCR and reaction tubes
- 2 year warranty



### Mini Vortex Mixer

GBO Cat. No. 845050\*\*

- Powerful, quiet vortexing for tubes up to 50 mL
- Instant pressure-activated operation
- Compact, fits in the palm of your hand
- Compatible with all Greiner Bio-One tubes
- 2 year warranty



### Microplate Centrifuge

GBO Cat. No. 846050\*\*

- Quickly spins down droplets in microplates
- Unique rotor design holds 2 plates and prevents spillage
- 50% smaller than traditional centrifuges
- G-force of over 400 x g
- Compatible with most Greiner Bio-One microplates
- 2 year warranty

\*\* For information on the Fisher Scientific catalog number, contact your Greiner Bio-One Account Manager.

# Greiner Bio-One Compatibility Chart



GBO Part No./Description	Greiner Bio-One Centrifuge Tubes	Greiner Bio-One Microcentrifuge Tubes	Greiner Bio-One PCR Strip Tubes	Greiner Bio-One 0.2 & 0.5 mL Tubes	Greiner Bio-One PCR, TC, Immunology Microplates (except MASTERBLOCK)	Greiner Bio-One Serological Pipettes
844050 Vortex Mixer	x	x	x	x		
848050 Mini Block Heater	(See chart below for detailed compatibility information)					
843050 Mini Centrifuge		x	x	x		
846050 Microplate Centrifuge					x	
845050 Mini Vortex Mixer	x	x	x	x		
847050 <i>Sapphire</i> Maxi Pette						x

## Greiner Bio-One Compatibility Chart for Mini Block Heater Accessories

	848916 - Block, 15 x 1.5mL centrifuge tubes	848923 - Block, 15 x 1.5 mL or 2.0 mL centrifuge tubes	848902 - Block, 40 x 0.2 mL tubes of 5 PCR Strips of 8 tubes	848913 - Block, 15 x 12-13 mm tubes, 60 mm tall	848921 - Block, 15x HPLC or Cryo.s Tubes	848915 - Block, 4 x 15 mL centrifuge tubes	848950 - Block, 2 x 50 mL centrifuge tubes
1 mL Cryo.s					x		
2 mL Cryo.s					x		
4 mL Cryo.s				x			
5 mL Cryo.s				x			
0.5 mL PCR Tube	x	x					
0.2 mL PCR Tube			x				
1x8 PCR Tube Strip			x				
1.5 mL Reaction Tube	x	x					
2.0 mL Reaction Tube		x					
4.0 mL, 12x55 mm Tube					x		
5.0 mL, 12x75 mm Tube				x			
4 mL, 12 x 55 mm Tube					x		
5 mL, 12x 75 mm Tube				x			
4.5 mL, 12x55 mm, Culture Tube				x			
7 mL, 13x100 mm Tube				x			
12 mL, 16 x 100 mm Tube					x		
12 mL, 17 x 100 mm Tube					x		
20 mL, 16 x 152 mm Tube					x		
14 mL, 17x95 mm Tube					x		
14 mL, 18x95 mm Culture Tube					x		
15 mL Conical Tube					x		
50 mL Conical Tube						x	

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123280	2	450082	55	455092	61	633181	50	655206	39
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127261	2	450184	55	456067	63	650172	29	655892P	38
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662840	24	680068	18	754070	32	781901	34	803277	4
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665610	23	682281	41	771235	7	781990	28		
665630	23	683201	41	771242	8	781995	28		
665631	23	683271	41	771246	8	781996	28		
665638	23	683273	41	771250	9	781997	28		
665641	23	683274	41	771251	8	782061	35		
665950	23	683275	41	771252	8	782073	36		
665950-005	28	683276	41	771254	8	782074	36		
665980	26	683277	41	771258	8	782075	36		
667201	16	684201	41	771261	7	782076	36		
669285	44	688102	51	771265	7	782077	36		
670102	51	690160	20	771287-US	8	782078	36		
670180	22	690170	20	771290-US	9	782080	36		
670190	22	690175	20	772265	7	782086	36		
671201	41	690190	20	772288-US	7	782092	36		
671221	42	690195	20	773261	7	783892P	38		
						782093	36		



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