

Chemicals for SARS-CoV-2 Testing

We're actively responding to the **SARS-CoV-2** outbreak by working closely with government agencies and researchers to ensure priority access to instruments, consumables, safety supplies, and other products needed for critical work.

In this brochure, you'll find Thermo Scientific™, Fisher Chemical™, and Fisher Bioreagents™ products to support your testing workflow, from sample prep to scale up.

Popular Products

- Solvents
- Water
- Buffers and components

Applications

- Sample preparation using commercial mini-prep kits
- Manual extractions
- Sample preparation
- Manufacturing kits

Key Features

- Negative for DNase, RNase, and protease
- Submicron filtered
- Low metal content
- Low endotoxin content
- Lot-to-lot uniformity
- Most products in stock for fast delivery

Ethanol for Nucleic Acid and Protein Purification

Molecular biology grade ethanol options now include 100% ethanol and 70%, 80%, and 96% solutions. Ethanol products are tested to verify the absence of DNase, RNase, protease, and other hydrolytic enzymes that can degrade target biomolecules during isolation and purification. These solutions also work well in combination with commercial mini-prep kits or traditional extraction methods.



Test	70% Ethanol	80% Ethanol	96% Ethanol	Absolute Ethanol (100%)
Brand	Fisher Bioreagents	Thermo Scientific	Fisher Bioreagents	Fisher Bioreagents
Cat. No.	BP8201	T08204K7	BP8202	BP2818
Appearance	Clear, Colorless	Clear, Colorless	Clear, Colorless	Clear, Colorless
Color (APHA)	<10	<10	<10	<10
Residue After Evaporation	<0.001%	<0.001%	<0.001%	<0.001%
Substances Darkened by Sulfuric Acid	Pass Test	Pass Test	Pass Test	Pass Test
Substances Reducing Permanganate	Pass Test	Pass Test	Pass Test	Pass Test
Assay (GC-TCD)				
Ethanol	68–72%	78–82%	94–98%	≥99.5%
Water	28–32%	18–22%	2–6%	≤0.2%
Methanol	NA	NA	NA	<0.1%
IPA	NA	NA	NA	0.003%
DNase	Not Detected	Not Detected	Not Detected	Not Detected
RNase	Not Detected	Not Detected	Not Detected	Not Detected
Protease	Not Detected	Not Detected	Not Detected	Not Detected

Water for Life Sciences Applications

Fisher Bioreagents waters are ideal for many fundamental procedures such as PCR, electrophoresis, DNA sequencing, and as buffers for enzymatic analyses. Their low metal content ensures minimal free ions, which lets you prepare optimized enzymatic reaction buffers by adjusting the concentration of the appropriate metal ion cofactor(s).



Description	Size	Cat. No.	DEPC-Treated	Autoclaved	0.2 µm Filtered	0.03 µm Filtered	Deionized
Water, DNA Grade	1 L	BP2470-1		•	•		
Water, Nuclease Free	50 mL	BP2484-50	•	•	•		
	100 mL	BP2484-100	•	•	•		
Water, Biotech Grade	4 L	BP2485-4			•		
	20 L	BP2485-20			•		
Water, Molecular Biology Grade	100 mL	BP2819-100				•	•
	1 L	BP2819-1				•	•
	4 L	BP2819-4				•	•
	10 L	BP2819-10				•	•
Water, Microbial Cell Culture Grade	20 L	BP2819-20				•	•
	100 mL	BP2820-100		•		•	
	500 mL	BP2820-500		•		•	
Water, qPCR Grade	1 L	BP2820-1		•		•	
	10 L	BP2825-10				•	
Water, RNA Grade	1 L	BP2825-1	•	•	•		

Chemicals for Use with Commercial Molecular RNA Extraction Kits



Description	Cat. No.	Sizes
100% Ethanol (200 Proof)*, Molecular Biology	BP2818	100 mL, 500 mL, 4 L
96% Ethanol, Molecular Biology	BP8202	500 mL, 1 L, 4 L
80% Ethanol**	T08204K7	4 L
beta-Mercaptoethanol, Electrophoresis	BP176	89.74 mL
Bromophenol Blue Sodium Salt, Electrophoresis	BP114	25 g
Bovine Serum Albumin (BSA), Heat Shock-Treated	BP1600	100 g, 1 kg
Dithiothreitol (DTT), Electrophoresis	BP172	5 g, 25 g
EDTA, Disodium Salt, Electrophoresis	BP120	500 g, 1 kg
Glycerol, Molecular Biology	BP229	1 L, 4 L
Guanidine Hydrochloride	BP178	500 g, 1 kg
Hydrochloric Acid, Technical	A142	2.5 L, 19 L
MES Monohydrate	BP300	100 g
o-Phenylenediamine	BP2537	50 g, 250 g
PBS, 10X, pH 7.4	BP399	500 mL, 1 L, 4 L, 20 L
PBS, 1X, pH 7.4	BP2438	4 L, 20 L
Proteinase K, Molecular Biology	BP1700	50 mg, 100 mg, 500 mg
Sodium Azide	BP9221	500 g
Sodium Chloride	BP358	1 kg, 2.5 kg, 10 kg
Sodium Hypochlorite, 4 to 6%, Laboratory	SS290	1 L, 4 L
TE Buffer, 1X, pH 8.0, Molecular Biology	BP2473	100 mL, 500 mL, 1 L
Tris Hydrochloride, 1M, pH 7.5, Molecular Biology	BP1757	100 mL, 500 mL
Tris Hydrochloride, 1M, pH 8.0, Molecular Biology	BP1758	100 mL, 500 mL
Tween™ 20	BP337	100 mL, 500 mL
Urea, Molecular Biology	BP169	500 g, 2.5 kg, 10 kg
Water, DEPC-Treated, RNase-Free, Molecular Biology	BP561	1 L
Water, Molecular Biology	BP2819	100 mL, 1 L, 4 L, 10 L, 20 L
Water for qPCR or RT-qPCR	BP2825	1 L, 10 L

*Suitable for use with commercially available test kits

**Suitable for use with Thermo Scientific and Applied Biosystems MagMAX Kits

Chemicals for Use with Manual Extractions



Description	Cat. No.	Sizes
100% Ethanol (200 Proof), Molecular Biology	BP2818	100 mL, 500 mL, 4 L
96% Ethanol, Molecular Biology	BP8202	500 mL, 1 L, 4 L
70% Ethanol, Molecular Biology	BP8201	500 mL, 1 L, 4 L
Acetic Acid, Glacial, Aldehyde-Free, Sequencing	BP1185	500 mL
Ammonium Acetate	BP326	500 g, 1 kg
Chloroform, Ethanol-Preserved, Molecular Biology	BP1145	1 L
EDTA, Disodium Salt, Electrophoresis	BP120	500 g, 1 kg
EDTA, 0.5M, pH 8.0	BP2482	100 mL, 500 mL, 1 L, 20 L
Guanidine Thiocyanate	BP221	250 g, 1 kg
HEPES, Molecular Biology	BP310	100 g, 500 g, 1 kg, 5 kg
Hydrochloric Acid	A142	2.5 L, 19 L
Isoamyl Alcohol, Molecular Biology	BP1150	500 mL
Isopropanol, Molecular Biology	BP2618	500 mL, 1 L, 2.5 L, 4 L
Phenol, Saturated, pH 4.3	BP1751I	100 mL, 400 mL
Phenol/Chloroform/Isoamyl Alcohol, 25:24:1	BP1752	100 mL, 400 mL
PBS, 1X, pH 7.4	BP2438	4 L, 20 L
Proteinase K, Molecular Biology	BP1700	50 mg, 100 mg, 500 mg
Sodium Acetate, Anhydrous	BP333	500 g, 1 kg
Sodium Citrate Dihydrate	BP327	500 g, 1 kg
Sodium Lauroyl Sarcosinate (Sarkosyl), Molecular Biology	BP234	500 g
Tris Base, Molecular Biology	BP152	500 g, 1 kg, 5 kg, 10 kg, 25 kg
Tris Base, Triple-Crystallized	BP154	1 kg
Tris Hydrochloride, 1M, pH 7.5, Molecular Biology	BP1757	100 mL, 500 mL
TE Buffer, 1X, pH 8.0, Molecular Biology	BP2473	100 mL, 500 mL, 1 L
Triton™ X-100, Electrophoresis	BP151	100 mL, 500 mL
Water, DEPC-Treated, RNase-Free, Molecular Biology	BP561	1 L
Water, Molecular Biology	BP2819	100 mL, 1 L, 4 L, 10 L, 20 L



Chemicals for Commercial Test Kit Manufacturing



Description	Cat. No.	Sizes
Acetonitrile, Anhydrous , DNA Synthesis	BP1170	450 mL, 4 L, 19 L
Chloroform, Ethanol-Preserved, Molecular Biology	BP1145	1 L
Guanidine Hydrochloride	BP178	500 g, 1 kg
Guanidine Thiocyanate	BP221	250 g, 1 kg
HEPES, Molecular Biology	BP310	100 mg, 500 mg, 1 kg, 5 kg
Hydrochloric Acid, Technical	A142	2.5 L, 19 L
Sodium Chloride	BP358	1 kg, 2.5 kg, 10 kg
Sodium Hydroxide, Pellets	BP359	500 g, 2.5 kg

Specialized Chemical Services

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Semi-Bulk and Bulk Chemicals Service

Rely on our extensive supply chain network to secure and manage your supply of semi-bulk and bulk volume products using either internal manufacturing or select partners worldwide.

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Safely handle large quantities of high-purity solvents with Fisher Chemical high-volume delivery systems. From lab to production scale, they help deliver solvents with improved efficiency and enhanced productivity.

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Special aqueous or non-aqueous solutions can be expertly made to your exact specifications.

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Choose from a variety of innovative packaging options designed for safety, environmental protection, convenient handling and storage, and product integrity preservation. They comply with all relevant regulations.

Activity Specifications

Description	Size	Cat. No.	Total Aerobic Microbial Count	Total Yeast & Mold Count	Endotoxin	DNase Free	RNase Free	Protease Free	Nickase Free	Human Genomic DNA	E. coli Genomic DNA
Water, DNA Grade	1 L	BP2470-1				•		•			
Water, Nuclease Free	50 mL	BP2484-50				•	•	•			
	100 mL	BP2484-100				•	•	•			
Water, Biotech Grade	4 L	BP2485-4									
	20 L	BP2485-20									
Water, Molecular Biology Grade	100 mL	BP2819-100				•	•	•			
	1 L	BP2819-1				•	•	•			
	4 L	BP2819-4				•	•	•			
	10 L	BP2819-10				•	•	•			
	20 L	BP2819-20				•	•	•			
Water, Microbial Cell Culture Grade	100 mL	BP2820-100	•	•	•						
	500 mL	BP2820-500	•	•	•						
	1 L	BP2820-1	•	•	•						
Water, qPCR Grade	1 L	BP2825-1	•	•	•	•	•	•	•	•	•
	10 L	BP2825-10	•	•	•	•	•	•	•	•	•
Water, RNA Grade	1 L	BP561-1				•	•	•			

Contact your **Fisher Healthcare representative** or **Thermo Fisher Scientific** chemical account manager to learn more or request a quote.

Fisher Healthcare Representative

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