

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

Chemicals for Use with Commercial Molecular RNA Extraction Kits



Description	Cat. No.	Sizes
100% Ethanol (200 Proof)*, Molecular Biology	10041814	100 mL, 500 mL, 4 L
96% Ethanol, Molecular Biology	15518181	500 mL, 1 L, 4 L
80% Ethanol**	16622284	2.5 L, 4 L
beta-Mercaptoethanol, Electrophoresis	10366313	89.74 mL
Bromophenol Blue Sodium Salt, Electrophoresis	10497573	25 g
Bovine Serum Albumin (BSA), Heat Shock-Treated	12737119	100 g, 1 kg
Dithiothreitol (DTT), Electrophoresis	10386833	5 g, 25 g
EDTA, Disodium Salt, Electrophoresis	10522965	500 g, 1 kg
Glycerol, Molecular Biology	10021083	1 L, 4 L
Guanidine Hydrochloride	10071503	500 g, 1 kg
Hydrochloric Acid, 32%, Technical	10090170	500 mL, 1 L, 2.5 L
MES Monohydrate	10419123	100 g
o-Phenylenediamine	10422305	50 g, 250 g
PBS, 10X, pH 7.4	10204733	500 mL, 1 L, 4 L, 20 L
PBS, 1X, pH 7.4	10091403	4 L, 20 L
Proteinase K, Molecular Biology	10103533	50 mg, 100 mg, 500 mg
Sodium Azide	10677243	500 g
Sodium Chloride	10123443	1 kg, 2.5 kg, 10 kg
Sodium Hypochlorite, Technical, Solution	11438842	1 L, 2.5 L, 4 L
TE Buffer, 1X, pH 8.0, Molecular Biology	10224683	100 mL, 500 mL, 1 L
Tris Hydrochloride, 1M, pH 7.5, Molecular Biology	10573145	100 mL, 500 mL
Tris Hydrochloride, 1M, pH 8.0, Molecular Biology	10336763	100 mL, 500 mL
Tween™ 20	10113103	100 mL, 500 mL
Urea, Molecular Biology	10173333	500 g, 2.5 kg, 10 kg
Water, DEPC-Treated, RNase-Free, Molecular Biology	10245203	1 L
Water, Molecular Biology	10154604	100 mL, 1 L, 4 L, 10 L, 20 L
Water for qPCR or RT-qPCR	15812544	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	10041814	100 mL, 500 mL, 4 L
96% Ethanol, Molecular Biology	15518181	500 mL, 1 L, 4 L
70% Ethanol, Molecular Biology	15420665	500 mL, 1 L, 4 L
Acetic Acid, Glacial, Aldehyde-Free, Sequencing	10021123	500 mL
Ammonium Acetate	10572975	500 g, 1 kg
Chloroform, Ethanol-Preserved, Molecular Biology	10727024	1 L
EDTA, Disodium Salt, Electrophoresis	10522965	500 g, 1 kg
EDTA, 0.5M, pH 8.0	10073074	100 mL, 500 mL, 1 L, 20 L
Guanidine Thiocyanate	10285253	250 g, 1 kg
HEPES, Molecular Biology	10081113	100 g, 500 g, 1 kg, 5 kg
Hydrochloric Acid	10199832	500 mL, 1 L, 2.5 L
Isoamyl Alcohol, Molecular Biology	10592595	500 mL
Isopropanol, Molecular Biology	11308471	500 mL, 1 L, 2.5 L, 4 L
Phenol, Saturated, pH 4.3	10061213	100 mL, 400 mL
Phenol/Chloroform/Isoamyl Alcohol, 25:24:1	10294863	100 mL, 400 mL
PBS, 1X, pH 7.4	10091403	4 L, 20 L
Proteinase K, Molecular Biology	10103533	50 mg, 100 mg, 500 mg
Sodium Acetate, Anhydrous	10103243	500 g, 1 kg
Sodium Citrate Dihydrate	10787024	500 g, 1 kg
Sodium Lauroyl Sarcosinate (Sarkosyl), Molecular Biology	10698963	500 g
Tris Base, Molecular Biology	10103203	500 g, 1 kg, 5 kg, 10 kg, 25 kg
Tris Base, Triple-Crystallized	10163243	1 kg
Tris Hydrochloride, 1M, pH 7.5, Molecular Biology	10031793	100 mL, 500 mL
TE Buffer, 1X, pH 8.0, Molecular Biology	10224683	100 mL, 500 mL, 1 L
Triton™ X-100, Electrophoresis	10102913	100 mL, 500 mL
Water, DEPC-Treated, RNase-Free, Molecular Biology	10245203	1 L
Water, Molecular Biology	10154604	100 mL, 1 L, 4 L, 10 L, 20 L



Chemicals for Commercial Test Kit Manufacturing

Description	Cat. No.	Sizes
Acetonitrile, Anhydrous , DNA Synthesis	10031693	450 mL, 4 L, 19 L
Chloroform, Ethanol-Preserved, Molecular Biology	10727024	1 L
Guanidine Hydrochloride	10071503	500 g, 1 kg
Guanidine Thiocyanate	10285253	250 g, 1 kg
HEPES, Molecular Biology	10081113	100 mg, 500 mg, 1 kg, 5 kg
Hydrochloric Acid, 32%, Technical	10090170	2.5 L
Sodium Chloride	10123443	1 kg, 2.5 kg, 10 kg
Sodium Hydroxide, Pellets	10192863	500 g, 2.5 kg

Specialized Chemical Services

Services and Solutions Customized to Meet Your Needs

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.

Returnable Drum System

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.

Tailored Solvents and Solvent Blends

Request customized solvents to meet your exact specifications.

Testing Services

With our extensive in-house laboratory, quality control capabilities, and accredited partners, you can count on a quick response to your specific quality control testing requests.

Special Solutions

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

Customized Packaging and Labeling

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.

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.	15420665	16622284	15518181	10041814
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	10192813		•	•		
Water, Nuclease Free	50 mL	10295243	•	•	•		
	100 mL	10336503	•	•	•		
Water, Biotech Grade	4 L	10091543			•		
	20 L	10448153			•		
Water, Molecular Biology Grade	100 mL	10490025				•	•
	1 L	10505854				•	•
	4 L	10154604				•	•
	10 L	10318354				•	•
Water, Microbial Cell Culture Grade	20 L	10517554				•	•
	100 mL	11313892		•		•	
	500 mL	11343892		•		•	
Water, qPCR Grade	1 L	11373892		•		•	
	1 L	15812544				•	
Water, RNA Grade	10 L	15822544				•	
	1 L	10245203	•	•	•		

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	10192813				•		•			
Water, Nuclease Free	50 mL	10295243				•	•	•			
	100 mL	10336503				•	•	•			
Water, Biotech Grade	4 L	10091543									
	20 L	10448153									
Water, Molecular Biology Grade	100 mL	10490025				•	•	•			
	1 L	10505854				•	•	•			
	4 L	10154604				•	•	•			
	10 L	10318354				•	•	•			
	20 L	10517554				•	•	•			
Water, Microbial Cell Culture Grade	100 mL	11313892	•	•	•						
	500 mL	11343892	•	•	•						
	1 L	11373892	•	•	•						
Water, qPCR Grade	1 L	15812544	•	•	•	•	•	•	•	•	•
	10 L	15822544	•	•	•	•	•	•	•	•	•
Water, RNA Grade	1 L	10245203				•	•	•			

Contact your local **sales representative** to learn more or request a quote.

Fisher Scientific Sales Representative

Name

Phone Number

Email

Thermo Fisher Scientific Chemical Account Manager

Name

Phone Number

Email

For research use or further manufacturing. Not for direct administration into humans or animals.

Contact us today:

Austria: +43(0)800-20 88 40 **Belgium:** +32 (0)56 260 260 **Denmark:** +45 70 27 99 20
Finland: +358 (0)9 8027 6280 **France:** +33 (0)3 88 67 14 14 **Germany:** +49 (0)2304 9325
Ireland: +353 (0)1 885 5854 **Italy:** +39 02 950 59 478 **Lithuania:** +370 5 2444442
Netherlands: +31 (0)20 487 70 00 **Norway:** +47 22 95 59 59 **Portugal:** +351 21 425 33 50
Spain: +34 902 239 303 **Sweden:** +46 31 352 32 00 **Switzerland:** +41 (0)56 618 41 11
UK: +44 (0)1509 555 500

