chemicals

fisher bioreagents

Life Science Solvents

For Nucleic Acid and Protein Purification

The Fisher Bioreagents™ range of Molecular Biology Grade Solvents now includes 70%, 96% and 100% ethanol solutions and 99.9% Isopropanol. These solutions are ideal to use for concentrating nucleic acid samples by precipitation often in the presence of monovalent cations (e.g. sodium or ammonium). Our solutions are specifically tested for DNase, RNase and Protease to verify the absence of hydrolytic enzymes, which can degrade target biomolecules during nucleic acid/protein isolation and purification. These solutions are also great in combination with commercial "mini-prep" kits or traditional extraction methods with organic solvents.

Ethanol, Molecular Biology Grade

Key Features

- Ready-to-use alcohol solutions for molecular biology work
- No need to purchase and mix two separate solvents (ethanol and water), which saves time, reduces experimental error and minimizes potential for contamination
- Tested for DNase, RNase and Protease to ensure absence of these hydrolyzing enzymes
- 0.2 micron filtered
- Variety of product pack sizes

Product Description	Cat. No.	Size	Packaging
Ethanol Solution 70%, Molecular Biology Grade	BP8201-500	500mL	Poly Bottle
	BP8201-1	1L	
	BP8201-4	4L	
Ethanol Solution 96%, Molecular Biology Grade, Regulated	BP8202-500	500mL	Poly Bottle
	BP8202-1	1L	
	BP8202-4	4L	
Ethanol, Absolute (200 Proof), Molecular Biology Grade	BP2818-100	100mL	Poly Bottle
	BP2818-500	500mL	
	BP2818-4	4L	

Test	70% Ethanol Solution	96% Ethanol Solution	Absolute Ethanol
Appearance	Clear, colorless liquid	Clear, colorless liquid	Clear, colorless liquid
Color (APHA)	<10	<10	<10
Residue after evaporation	<0.001%	<0.001%	<0.001%
Substances darkened by sulfuric acid	Pass test	Pass test	Pass test
Substances reducing permanganate	Pass test	Pass test	Pass test
Assay (GC-TCD) Ethanol Water Methanol IPA	 68-72% 28-32% NA NA	 94-98% 2-6% NA NA	 ≥99.5% ≤0.2% <0.1% 0.003%
DNase	Not Detected	Not Detected	Not Detected
RNase	Not Detected	Not Detected	Not Detected
Protease	Not Detected	Not Detected	Not Detected

Disclaimer: Some products may not be available due to local restrictions on the sale of alcohols.

Find it at **fisherhealthcare.com**

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Isopropanol, Molecular Biology Grade

High-purity Isopropanol (IPA) is a staple reagent chemical used in many life science laboratories. Fisher Bioreagents™ ultrapure Molecular Biology Grade Isopropanol can be used in fundamental applications such as purification and precipitation of nucleic acids and proteins, and preservation of biological specimens.

Key Features

- Ultrapure Isopropanol (assay > 99.9%) for molecular biology work
- Tested for DNase, RNase, and Protease to ensure absence of these hydrolyzing enzymes
- Water < 0.05%
- Low UV optical absorbance
- Variety of product pack sizes

Product Description	Cat. No.	Size	Packaging
Isopropanol, Molecular Biology Grade	BP2618-500	500mL	Poly Bottle
	BP2618-1	1L	Amber Glass
	BP2618-212	2.5L	Poly Bottle
	BP2618-4	4L	Poly Bottle

Product Specifications	
Assay (by GC)	≥ 99.9%
Color (APHA)	≤ 5
Fluorescence Background (as Quinine Sulfate)	≤ 1ppb
Residue after Evaporation	≤ 1ppm
Refractive Index (at 25°C)	1.3740 - 1.3760
Water	≤ 0.05%
Solubility in Water	Pass Test
Titratable Acid or Base	≤ 0.0001 meq/g
Substances Reducing Permanganate	Pass Test
Optical Absorbance	
at 205nm	≤ 1.00
at 220nm	≤ 0.20
at 230nm	≤ 0.10
at 254nm	0.015
Carbonyl Compounds	
Acetone	≤ 0.002%
Propionaldehyde	≤ 0.002%
DNase	Not Detected
RNase	Not Detected
Protease	Not Detected

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