

Isopropanol, Molecular Biology Grade



Isopropanol, Molecular Biology Grade

Catalog No.	Size	Packaging
BP2618-500	500mL	Amber Glass
BP2618-1	1L	Amber Glass
BP2618-212	2.5L	Amber Glass
BP2618-4	4L	Amber Glass

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

Key Features

1. Ultrapure Isopropanol (assay > 99.9%) for molecular biology work
2. Tested for DNase, RNase, and Protease to ensure absence of these hydrolyzing enzymes
3. Water < 0.05%
4. Low UV optical absorbance
5. Variety of product pack sizes to meet various laboratory needs
6. Meets the Optima™ specifications for ultrapure isopropanol

Applications

1. Extraction and purification of nucleic acids, proteins, fats, and lipids
2. Preservation of biological specimens (nontoxic alternative to formaldehyde)
3. Disinfectant reagent
4. Chromatography

Laboratory Markets

1. Academic labs (cell and molecular biology)
2. Biotechnology industry
3. Pharmaceutical industry
4. Government research labs

Product Specifications

Name of Product	Isopropanol, Molecular Biology Grade
Part No.	BP2618
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
Titrateable 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

Related Products

Fisher BioReagents Functionally Tested for Molecular Biology Research

Water (0.1 Micron Filtered), Molecular Biology Grade

Catalog No.	Pack Size
BP2819-100	100mL
BP2819-1	1L
BP2819-4	4L
BP2819-10	10L
BP2819-20	20L

Absolute Ethanol (200 proof), Molecular Biology Grade

Catalog No.	Pack Size
BP2818-100	100mL
BP2818-500	500mL
BP2818-4	4L

Additional Products

Part Number	Product Description
BP1356-100	Agarose, Broad Separation Range for DNA/RNA, 100g
BP160-100	Agarose, Low EEO, Multipurpose, 100g
BP1360-100	Agarose, Low Melting, < 1kb DNA/RNA, 100g
BP118-500	EDTA, 500g
BP1302-10	Ethidium Bromide, 1% Solution, 10mL
BP2578-100	exACTGene 1kb DNA Ladder, load 100 lanes
BP2900-500	MOPS 10X Solution, 500mL
BP2900-1	MOPS 10X Solution, 1L
BP1752I-100	Phenol/Chloroform/Isoamyl Alcohol, 25:24:1 Mixture, 100mL
BP1752I-400	Phenol/Chloroform/Isoamyl Alcohol, 25:24:1 Mixture, 400mL
BP399-1	Phosphate Buffered Saline, 10X Solution, 1L
BP1700-100	Proteinase K, 100mg
BP1335-1	Tris-Acetate-EDTA (TAE), 10X Solution, 1L
BP1333-1	Tris-Borate-EDTA (TBE), 10X Solution, 1L
BP2476-100	Tris-EDTA, 1X Solution, pH 7.4, 100mL
BP2476-500	Tris-EDTA, 1X Solution, pH 7.4, 500mL
BP2484-50	Water, (Nuclease Free, DEPC-treated), 50mL
BP2484-100	Water, (Nuclease Free, DEPC-treated), 100mL

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