

# 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, Sterile (Nuclease Free, DEPC-treated), 50mL
BP2484-100	Water, Sterile (Nuclease Free, DEPC-treated), 100mL

Thermo Fisher Scientific  
Geel West Zone 2  
Janssen Pharmaceuticaalaa 3a  
2440 Geel – Belgium  
Tel. +32 14 57 52 11  
Fax +32 14 59 26 10  
www.acros.com