

Ethanol Solutions



For Nucleic Acid and Protein Purification

The Thermo Scientific™ and Fisher Bioreagents™ range of Molecular Biology Grade Ethanol grades now includes 70%, 80%, 96% and 100% ethanol solutions. 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 alcohol 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.

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; free of particulates
- Variety of product pack sizes to meet various laboratory needs

Applications

- Purification and precipitation of nucleic acids (DNA and RNA) and proteins

Laboratory Markets

- Academic labs (cell and molecular biology)
- Biotech industry
- Pharmaceutical industry
- Government research labs

Product Description	Cat. No.	Size	Packaging
70% Fisher Bioreagents Ethanol Solution	BP8201-1	1 L	Poly Bottle
	BP8201-4	4 L	
80% Thermo Scientific Ethanol Solution	T082042500	2.5 L	Amber Glass
	T08204DF2500 (Duty free)	2.5 L	Poly Bottle
	T08204K7 (Duty free)	4 L	
96% Fisher Bioreagents Ethanol Solution	BP8202-1	1 L	Poly Bottle
	BP8202-4	4 L	
Fisher Bioreagents Absolute Ethanol (200 proof)	BP2818-100	100 mL	Amber Glass
	BP2818-500	500 mL	
	BP2818-212	2.5 L	
	BP2818-4	4 L	

Test	70% Ethanol Solution	80% Ethanol Solution	96% Ethanol Solution	Absolute Ethanol
Appearance	Clear, colorless liquid	Clear, colorless liquid	Clear, colorless liquid	Clear, colorless liquid
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



Related Products

Our 70%, 80%, 96% and 100% ethanol solutions may be used with a wide range of products for isolating and purifying nucleic acids and proteins.

DNA/RNA Purification Reagents and Kits

Product Description	Cat. No.
Applied Biosystems™ MagMAX™ Kit	A48383
TRIzol™ Plus RNA Purification Kit	12183-555
GLOBINclear™ Kit, human, for globin mRNA depletion	AM1980
GLOBINclear™ Kit, mouse/rat, for globin mRNA depletion	AM1981
LeukoLOCK™ Fractionation and Stabilization Kit	AM1923
MEGAclear™ Transcription Clean-Up Kit	AM1908
MICROBEnrich™ Kit	AM1901
MICROExpress™ Bacterial mRNA Enrichment Kit	AM1905
Poly(A)Purist™ MAG Kit	AM1922
PureLink™ Pro 96 total RNA Purification Kit	12173-011A
PureLink™ RNA Micro Scale Kit	12183016
PureLink™ RNA Mini Kit	12183018A 12183020
PureLink™ RNA Mini Kit	12183025
PureLink™ Total RNA Blood Kit	K1560-01
RNAqueous™ Total RNA Isolation Kit	AM1912
RNAqueous™-Midi Total RNA Isolation Kit	AM1911
RiboMinus™ Concentration Module	K1550-05
RiboMinus™ Human/Mouse Transcriptome Isolation Kit	K1550-01
RiboMinus™ Transcriptome Isolation Kit, bacteria	K1550-04
RiboMinus™ Transcriptome Isolation Kit, human/mouse	K1550-02
RiboMinus™ Transcriptome Isolation Kit, yeast	K1550-03
ToTALLY RNA™ Total RNA Isolation Kit	AM1910
Dynabeads® SILANE Viral NA Kit	37011D

Other Fisher Bioreagents products functionally tested for molecular biology research

Product Description	Cat. No.
Agarose, Low EEO, Multipurpose	BP160-100
Agarose, Low Melting, <1kb RNA	BP1360-100
Agarose, Broad Separation Range for RNA	BP1356-100
EDTA 0.5 M (DEPC-treated)	BP2483-100 BP2483-500
Tris-EDTA, 1X Solution, pH 7.4	BP2476-100 BP2476-500
Ethidium Bromide, 1% Solution	BP1302-10
Isopropanol, Molecular Biology Grade	BP2618-4 BP2618-212 BP2618-1 BP2618-500
Lysozyme	BP535-10 BP535-25 BP535-5 BP535-1
MOPS 10X Solution	BP2900-500 BP2900-1
Saturated Phenol (pH 6.6/7.9)	BP1750-100 BP1750-400
Sodium Acetate Anhydrous	BP333-500 BP333-1
Water, Molecular Biology Grade	BP2819-10 BP2819-100 BP2819-1 BP2819-4 BP2819-20
Water, Sterile (DEPC-treated)	BP2484-50 BP2484-100 BP561-1

Visit eu.fishersci.com to learn more
or, to place an order, contact your local Fisher Scientific office.

Contact us today:

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