Fisher BioReagents®

Water (0.1 Micron Filtered) Molecular Biology Grade

Catalogue Number	Volume
BP2819-100	100mL
BP2819-1	1L
BP2819-4	4L
BP2819-10	10L
BP2819-20	20L

Fisher BioReagents Molecular Biology Grade Water (BP 2818) is ideal for many fundamental procedures such as PCR, electrophoresis, DNA sequencing and buffers for enzymatic analyses.

KEY FEATURES

1. 0.1 micron filtered to ensure high purity
2. Tested for DNase, RNase, and Protease to ensure absence of these hydrolytic enzymes
3. Deionized for very low metal ion content
4. Variety of product pack sizes to meet various laboratory needs

APPLICATIONS

1. Ideal for making reagents, rinsing glass and plastic ware, and sample preparation
2. DNA/RNA/Protein extraction and purification
3. Used to prepare buffers for enzymatic reactions
4. PCR technology, blotting applications, and DNA sequencing

PRODUCT SPECIFICATIONS

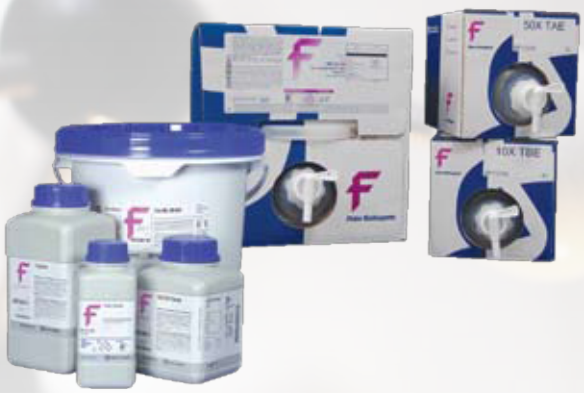
Name of Product	Water, Molecular Biology Grade
Product Part Numbers and Package Configurations.	BP2819-100, 100mL, poly bottle
	BP2819-1, 1L , poly bottle
	BP2819-4, 4L , PolyPac
	BP2819-10, 10L , PolyPac
	BP2819-20, 20L , PolyPac
Conductivity at 25° C	< 2µS/cm
pH at 25° C	5.4 – 7.0
Resistivity	>16 megohm-cm
DNase	Not detected
RNase	Not detected
Protease	Not detected
Trace Metal Ion Impurity Levels (ppb max)*:	
Cadmium (Cd)	10
Calcium (Ca)	20
Chromium (Cr)	10
Cobalt (Co)	10
Copper (Cu)	10
Iron (Fe)	10
Lead (Pb)	10
Magnesium (Mg)	10
Manganese (Mn)	10
Molybdenum (Mo)	10
Nickel (Ni)	10
Potassium (K)	10
Selenium (Se)	10
Vanadium (V)	10
Zinc (Zn)	10

*Low metal content in water ensures a minimal quantity of free ions which allows the researcher to prepare optimized enzymatic reaction buffers by adjusting the concentration of the appropriate metal ion cofactor(s) in the buffer.

RELATED PRODUCTS

The following Fisher BioReagents products are used in a variety of molecular biology research applications and are particularly suitable for use with Fisher BioReagents BP2819 Water, Molecular Biology Grade.

Catalogue Number	Product Description
BP160-100	Agarose, Low EEO, Multipurpose, 100g
BP1360-100	Agarose, Low Melting, <1kb DNA/RNA, 100g
BP1356-100	Agarose, Broad Separation Range for DNA/RNA, 100g
BP1356-500	Agarose, Broad Separation Range for DNA/RNA, 500g
BP1302-10	Ethidium Bromide, 1% Solution, 10mL
BP2483-100	EDTA 0.5 M (DEPC-treated), 100mL
BP2483-1	EDTA 0.5 M (DEPC-treated), 1L
BP152-1	Tris base DNase RNase protease free, electrophoresis tested, 1kg
BP1700-100	Proteinase K DNase and RNase free, 100mg
BP2476-100	Tris-EDTA, 1X Solution, pH 7.4, 100mL
BP2476-500	Tris-EDTA, 1X Solution, pH 7.4, 500mL



FISHER BIOREAGENTS WATER SELECTION GUIDE

The chart below summarizes the various water products used in Life Science Research.

Fisher BioReagents Water Portfolio			Purity Specification					Nuclease and Protease Activity Specification			General Applications			
Catalog No.	**Description**	**Quantity/ Packaging**	**DEPC treated**	**Sterile (Autoclave)**	**0.2 µm Filtered**	**0.1 µm Filtered**	**Deionized for Low Metal Ion Content**	**DNase Not Detected**	**RNase Not Detected**	**Protease Not Detected**	**DNA work**	**RNA work**	**Protein work**	**Routine Life Science Research***
BP2485-4	Water, Biotech Grade	4L PolyPac			X									X
BP2485-20		20L PolyPac												
BP2470-1	Water, Sterile DNA Grade	1L Poly Bottle		X	X			X		X	X		X	
BP561-1	Water, Sterile For RNA Work, DEPC-Treated and Nuclease-free	1L Poly Bottle	X	X	X			X	X	X		X		
BP2484-50	Water, Sterile, DEPC-treated and Nuclease Free	50mL Poly Bottle	X	X	X			X	X	X		X		
BP2484-100		100mL Poly Bottle												
BP2819-100	Water, Molecular Biology Grade	100mL Poly Bottle				X	X	X	X	X	X		X	X
BP2819-1		1L Poly Bottle												
BP2819-4		4L PolyPac												
BP2819-10		10L PolyPac												
BP2819-20		20L PolyPac												

*Buffers, wash and rinse solutions, etc.

APEX CHEMICALS

APEX CHEMICALS CO., LTD. (Head Office)

2034/87, Italthai Tower 19th Floor, New Petchburi Road, Bangkapi, Huaykwang, Bangkok 10310, Thailand

Tel. 02-038-9999 Fax. 02-038-0099

info@apexchemicals.co.th ApexChemicals @ApexChemicals www.apexchemicals.co.th