

# Water (0.1 Micron Filtered) Molecular Biology Grade

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

In the life sciences, high purity water is a staple solvent used in all cell and molecular biology laboratories.

BP2819, Water, Molecular Biology Grade is ideal for many fundamental procedures such as PCR, electrophoresis, DNA sequencing, and buffers for enzymatic analyses.

## KEY FEATURES

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

## APPLICATIONS

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

## LABORATORY MARKETS

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



## 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.

