

## Water molecular, biology grade



A general purpose water. RNase, DNase, Nuclease and Protease free.  
Supplied as bag in box (with tap)

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Catalogue No	Quantity
<b>BPE2819-1</b>	1L
<b>BPE2819-4</b>	4L
<b>BPE2819-10</b>	10L
<b>BPE2819-20</b>	20L
<b>BPE2819-100</b>	100L

### Product specification

Conductivity at 25°C	<2µS/cm
pH at 25°C	5.4 to 7.0
Resistivity	>16megohm-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 optimised enzymatic reaction buffers by adjusting the concentration of the appropriate metal ion cofactor(s) in the buffer.

## Water DNase free



DNase and protease-free and is suitable for all DNA work.

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Catalogue No	Quantity
<b>BPE2470-1</b>	1L

H<sub>2</sub>O M.W. 18.02

### Product specification

pH at 25°C	5.4-7.0
DNase	Not detected
Protease	Not detected

Filtered through a 0.2µm filter.

## Water Nuclease-free, DEPC treated



Diethylpyrocarbonate (DEPC)-treated water is guaranteed nuclease-free (tested for both DNase and RNase) and is suitable for all RNA work.



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Catalogue No	Quantity
<b>BPE2484-50</b>	50mL
<b>BPE2484-100</b>	100mL

H<sub>2</sub>O M.W. 18.02

### Product specification

DNase	Not detected
RNase	Not detected
Protease	Not detected

## Water RNA grade sterile, DEPC treated and Nuclease-free



Guaranteed nuclease-free (tested for both DNase and RNase) and is suitable for all RNA work.

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Catalogue No	Quantity
<b>BPE561-1</b>	1L

H<sub>2</sub>O M.W. 18.02

### Product specification

Specific conductance at 25°C	≤18x10 <sup>-6</sup> ohm <sup>-1</sup> cm <sup>-1</sup>
DNase	Not detected
RNase	Not detected
Protease	Not detected

Filtered through a 0.2µm filter.

DEPC-treated and autoclaved.

## Xba

First aid	Std.
Fire	W, P, C, F
Spillage	G, H
Storage	-20°C

## Xba I source: *Xanthomonas badrii*



Digestion of dsDNA



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*Xba* I restriction endonuclease digests dsDNA with sequence indicated below.

T'CTAG A  
A GATC'T

Catalogue No	Quantity
<b>BPE3448-1</b>	2,000 units

Concentration: 8 to 12units/µL

Isoschizomers: None

Heat inactivated: -

Storage buffer: 10mM Tris-HCl (pH7.4), 300mM NaCl, 0.1mM DTT, 0.5mg/mL BSA and 50% glycerol.

Qualified for blue/white cloning assays and genomic assays.

Safety Data Sheets contain the hazard symbol and hazard/precautionary statements according to regulation (EC) No 1272/2008, available on Fisher Scientific Website.