

Phosphate buffered saline

First aid	Std.
Spillage	F
Disposal	1

Phosphate buffered saline 10X solution, sterile (PBS), Molecular Biology grade



A concentrated, standard phosphate buffer solution.

32

Catalogue No	Quantity
BPE399-500	500mL
BPE399-1	1L
BPE399-4	4L
BPE399-20	20L

Components: Sodium chloride (8%), Potassium chloride (<1.0%), Sodium phosphate dibasic (1.4%), and Potassium phosphate monobasic (<1.0%) 1.37M Sodium chloride, 0.027M Potassium chloride, and 0.119M Phosphate buffer

Product specification

pH of a 10X solution at 25°C	6.7 to 6.9
pH of a 1X solution at 25°C	7.3 to 7.5
Conductivity of a 1X solution	14,000 to 17,800µmhos
Chloride concentration of a 1X solution	0.140 ±0.004 moles/L
DNase	Not detected
RNase	Not detected
Protease	Not detected

Phosphate buffered saline 10X concentrate powder (PBS), Molecular Biology grade



A convenient way to make a 10X concentrated solution of standard phosphate buffer; each pack contains 98.8g for reconstitution in 1L of water.

32

Catalogue No	Quantity
BPE665-1	pack of 2 x 1L

Components: Sodium chloride (81%), Sodium phosphate dibasic (approx. 14%), Potassium phosphate monobasic (approx. 3.0%), and Potassium chloride (approx. 2%)

Product specification

Solubility (1% in water)	To pass test
pH of a 10X solution at 25°C	6.7 to 6.9
pH of a 1X solution at 25°C	7.3 to 7.5
Conductivity of a 1X solution	14,000 to 17,800µmhos
Chloride concentration of a 1X solution	0.140 ±0.004moles/L
DNase	Not detected
RNase	Not detected
Protease	Not detected

Phosphate buffered saline 1X solution (PBS), Molecular Biology grade



A standard phosphate buffer used in many biomolecular procedures.



32

0.137M Sodium chloride, 0.0027M potassium chloride, and 0.0119M phosphates.

Catalogue No	Quantity
BPE2438-4	4L
BPE2438-20	20L

Product specification

pH of a 1X solution at 25°C	7.3 to 7.5
Conductivity of a 1X solution	14,000 to 17,800µmhos/cm
Chloride concentration of a 1X solution	0.140 ±0.004 moles/L
DNase	Not detected
RNase	Not detected
Protease	Not detected

Phosphate buffered saline 1X concentrate powder (PBS), Molecular Biology grade



A convenient way to make large volumes of standard 1X phosphate buffer.

32

Catalogue No	Quantity
BPE661-10	10L
BPE661-50	50L

Components: Sodium chloride (81%), Sodium phosphate dibasic (approx. 14%), Potassium phosphate monobasic (approx. 3.0%), and Potassium chloride (approx. 2%)

Product specification

Solubility (1% in water)	To pass test
pH of a 1X solution at 25°C	7.3 to 7.5
Conductivity of a 1X solution	14,000 to 17,800µmhos
Chloride concentration of a 1X solution	0.140 ±0.004 moles/L
DNase	Not detected
RNase	Not detected
Protease	Not detected

Each bottle contains 98.9g or 492g for reconstitution in 10L or 50L of water, respectively.

Phosphate buffered saline tablets (PBS)



A convenient option for making 1x Phosphate buffered saline.



32

Catalogue No	Quantity
BPE9739-1	pack of 100 tablets

Each tablet prepares 100mL of 1x PBS solution

Tablet formulation	
Sodium Chloride	137mM
Phosphate Buffer	10mM
Potassium chloride	2.7mM

pH @ 25°C (1 tablet/100mL) 7.3-7.5