

PHOSPHATE BUFFERED SALINE (PBS)

IVD in Class A, EU Reg. 2017/746
For in vitro diagnostic use

Phosphate Buffered Saline is used for the suspension and dilution of non-fastidious microorganisms.

DESCRIPTION

PBS is an isotonic diluent used to prepare cell suspensions of microbial cells, e.g. for suspensions of bacteria in antimicrobial susceptibility procedures. The salts contained in this suspension fluid provide an isotonic medium to maintain cell integrity and viability. Additionally, a physiological pH value may be important to maintain viability. Phosphate Buffered Saline (pH 7.2) may also be used for rinsing and washing steps in various laboratory procedures.

PRINCIPLE

In Phosphate Buffered Saline (pH 7.2), sodium chloride provides osmotic protection of microbial cells; additionally, phosphates provide a stable physiological pH value which is also important for the maintenance of cell viability.

COMPOSITION	g/L
Sodium chloride	8.0
Potassium chloride	0.2
Disodium hydrogen phosphate	1.45
Potassium dihydrogen phosphate	0.25
Final pH 7,2 ± 0,2 at 25°C	

WARNING AND PRECAUTIONS

For in vitro diagnostic use.

Observe the precautions normally taken when handling laboratory reagents.

Dehydrated medium: HIGHLY HYGROSCOPIC. During the handling, wear dust protection mask. Avoid the eye contact. Do not use beyond the expiration date or if the product shows signs of deterioration, an altered color or has compacted.

Prepared Medium: The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous.

Safety Data Sheet is available on request for professional users.

All waste must be disposed of according to local directives.

STORAGE AND STABILITY

Dehydrated medium:	10-30°C
Prepared medium:	10-25°C

The product is stable until the expiration date indicated on the label under the recommended storage conditions.

PREPARATION

Dehydrated medium: Suspend 9.9 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Sterilize in autoclave at 121°C for 15 min.

Prepared medium (bottles, tubes): Ready to use.

PRESENTATION	Packaging	REF.
Dehydrated medium: PHOSPHATE BUFFERED SALINE (PBS)	500 g (52,3 L)	10566
Prepared medium: PHOSPHATE BUFFERED SALINE (PBS)	6 x 100 mL bottles	63415
	12 x 200 mL bottles	63715
	100 x 9 mL Tubes	5210/100P

SYMBOLS

	Read the instructions		Biological hazard
	CE Mark (product complies with the requirements of Regulation (EU) 746/2017)		
	Temperature limitation		Use by
	For in vitro diagnostic use		Manufacturer