
	Document ID:	TDS-PBS-001-500ML	Version:	002
	Date of Issue:	10-JAN-2023	Approved by:	Dr. Iman Kamranfar
	Review Date:	10-JAN-2025	Signature:	
	Title:	<b>TECHNICAL DATASHEET</b>		

### Phosphate Buffered Saline without Calcium, Magnesium, and Phenol Red

Filtration, Treatment	0.1µm sterile filtered
Product Code	PBS-001-500ML
Shelf Life	4 Years from DOM
Storage Temperature	15 - 30°C
Shipping Temperature	ambient

### QC Specifications

Physical and Chemical Analysis	Method	Specifications	Units
Appearance	Visual	Clear, colourless solution	n/a
pH at RT	Electronic pH Meter	7.3 - 7.5	n/a
Osmolality	Osmometer	280 - 310	mOsm/kg
Endotoxin	LAL Kinetic	≤ 0.2	EU/ml
<b>Sterility</b>			
Aerobic Bacteria	Internally Validated	Not detected	n/a
Anaerobic Bacteria	Internally Validated	Not detected	n/a
Fungi (Yeast & Mold)	Internally Validated	Not detected	n/a
Mycoplasma	qPCR	Not detected	n/a

### Formulation

Components	CAS number	Concentration (mg/L)
Potassium dihydrogen phosphate	7778-77-0	140.00
Sodium chloride	7647-14-5	9000.00
Disodium hydrogen phosphate	7558-79-4	795.00

### Ordering information

Product Code	Description	Product Information	Storage	Size
PBS-001-1L	Phosphate Buffered Saline	without Ca, Mg, and Phenol red, 0.1µm sterile filtered	15 - 30°C	1000 ml
PBS-001-500ML	Phosphate Buffered Saline	without Ca, Mg, and Phenol red, 0.1µm sterile filtered	15 - 30°C	500 ml

**Product Use:** This product is intended for research use only.

This product contains no animal components in the containers or the product itself.  
The product is manufactured at Dorfstrasse 17A, 14641 Pessin, Germany