
	Document ID:	TDS-BDP-001-10L	Version:	005
	Date of Issue:	10-JAN-2025	Approved by:	Dr. Iman Kamranfar
	Review Date:	10-JAN-2027	Signature:	
	Title:	TECHNICAL DATASHEET		

Dulbecco's PBS (with Calcium and Magnesium, homogeneous powder)

Filtration, Treatment	n/a
Product Code	BDP-001-10L
Shelf Life	4 Years from DOM
Storage Temperature	2°C - 8°C
Shipping Temperature	ambient

QC Specifications

Physical and Chemical Analysis	Method	Specifications	Units
Appearance	Visual	Homogenous white powder	n/a
pH at RT (9.783 g/L H ₂ O)	Electronic pH Meter	7.2 - 7.8	n/a
Osmolality (9.783 g/L H ₂ O)	Osmometer	260 - 310	mOsm/kg
Endotoxin (9.783 g/L H ₂ O)	LAL Kinetic	≤ 1.0	EU/ml
Solubility	At 9.783 g/L H ₂ O	Soluble	n/a
Cell Culture (9.783 g/L H ₂ O)	Internally Validated	Pass	n/a
Sterility			
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)
Calcium chloride, dihydrate	10035-04-8	133.00
Magnesium chloride, hexahydrate	7791-18-6	100.00
Potassium chloride	7447-40-7	200.00
Potassium dihydrogen phosphate	7778-77-0	200.00
Sodium chloride	7647-14-5	8000.00
Disodium hydrogen phosphate	7558-79-4	1150.00

Solution preparation

Mix at 9.783 g/L with cell culture grade water until completely dissolved, pH adjust from 7.1 to 7.4, then sterile filter and aseptically dispense into sterile containers under laminar flow.

Product Use: This product is intended for laboratory 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