

	Document ID:	TDS-BDL-011-500ML	Version:	001
	Date of Issue:	10-JUN-2025	Approved by:	Dr. Iman Kamranfar
	Review Date:	10-JAN-2027	Signature:	
	Title:	TECHNICAL DATASHEET		

Dulbecco's PBS Molecular Biology Grade (without Calcium and Magnesium)

Filtration, Treatment	0.1µm sterile filtered
Product Code	BDL-011-500ML
Shelf Life	4 Years from DOM
Storage Temperature	2-25°
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	7.0 - 7.5	n/a
Osmolality	Osmometer	260 -310	mOsm/kg
Endotoxin	LAL Kinetic	< 0.2	EU/ml
DNase activity	Fluorophore JOE probe/ agarose gel electrophoresis	Not detected	n/a
RNase activity	Fluorophore FAM probe/ agarose gel electrophoresis	Not detected	n/a
Protease activity	FITC-labeled quantification	Not detected	n/a
Cytotoxicity Test	L929, Hela and MRC5 cell 72 h exposure	Pass	n/a
Sterility			
Aerobic Bacteria	EP 2.6.1	Not detected	n/a
Anaerobic Bacteria	EP 2.6.1	Not detected	n/a
Fungi (Yeast & Mold)	EP 2.6.1	Not detected	n/a
Mycoplasma	qPCR	Not detected	n/a

Formulation

Components	CAS number	Concentration (mg/L)	Concentration (mM)
Potassium chloride	7447-40-7	200.00	2.67
Potassium dihydrogen phosphate	7778-77-0	200.00	1.47
Sodium chloride	7647-14-5	8000.00	137.93
Sodium Phosphate Dibasic-7-Hydrate	7782-85-6	2160.00	8.06

Ordering Information

Product Code	Description	Product Information	Storage	Size
BDL-011-500ML	Dulbecco's PBS	Without calcium and magnesium, Sterile filtered, Molecular Biology Grade.	2-25°C	500 ml
BDL-011-2.5L	Dulbecco's PBS	Without calcium and magnesium, Sterile filtered, Molecular Biology Grade.	2-25°C	2.5 L
BDL-011-5L	Dulbecco's PBS	Without calcium and magnesium, Sterile filtered, Molecular Biology Grade.	2-25°C	5 L
BDL-011-10L	Dulbecco's PBS	Without calcium and magnesium, Sterile filtered, Molecular Biology Grade.	2-25°C	10L

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