



Dulbecco's Phosphate Buffer (DPBS),

CatNo

GBP1622-500g

w/o Calcium and Magnesium, w/o Phenol Red, Powder

BatchNo: See Label
Expiration date: See Label
Storage: 20°C

Formulation:

Components	CasNo	Formulation	Concentration mg/L
Disodium Hydrogen Phosphate	7558-79-4	Na ₂ HPO ₄	1150
Potassium Chloride	7447-40-7	KCl	200
Potassium Phosphate, Monobasic	7778-77-0	KH ₂ PO ₄	200
Sodium Chloride	7647-14-5	NaCl	8000
Total			9.550 mg/L

Amount:	500 g
Appearance:	Off-white to creamy white, homogenous powder
Instruction:	Powdered media and salts are very hygroscopic and have to be stored under dry conditions.
Use at:	9.55 g/L
pH:	7.5 ± 0.3
Osmolality:	285 mOsm/kg ± 10%
Storage and shelf life:	Store at +20°C, dry and protected from light. Please refer to product label for expiration date.
Shipping conditions:	Ambient

Uses

- 1) Measure out 90% of final required volume of water. Water temperature should be 15-20°C.
- 2) While gently stirring the water, add the powdered medium (9.55 g/L). Stir until dissolved. Do not heat.
- 3) While stirring, adjust the pH of the medium to 0.1-0.3 pH units below the desired pH since it may rise during filtration. The use of 1 N HCl or 1 N NaOH is recommended.
- 4) Add additional water to bring the solution to final volume.
- 5) Sterilize immediately by filtration using a membrane with a porosity of 0.22 microns.
- 6) Aseptically dispense medium into sterile container.

This product is for in vitro research use only. It is not a medical device and it is not intended for diagnostic or therapeutic purposes.

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