



## Dulbecco's Phosphate Buffer (DPBS), CatNo **GBP1622-1000g**

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 <sub>2</sub> HPO <sub>4</sub>	1150
Potassium Chloride	7447-40-7	KCl	200
Potassium Phosphate, Monobasic	7778-77-0	KH <sub>2</sub> PO <sub>4</sub>	200
Sodium Chloride	7647-14-5	NaCl	8000
Total			9.550 mg/L

<b>Amount:</b>	1000 g
<b>Appearance:</b>	Off-white to creamy white, homogenous powder
<b>Instruction:</b>	Powdered media and salts are very hygroscopic and have to be stored under dry conditions.
<b>Use at:</b>	9.55 g/L
<b>pH:</b>	7.5 ± 0.3
<b>Osmolality:</b>	285 mOsm/kg ± 10%
<b>Storage and shelf life:</b>	Store at +20°C, dry and protected from light. Please refer to product label for expiration date.
<b>Shipping conditions:</b>	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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