



Dulbecco's Phosphate Buffer (DPBS),

CatNo **GBP1622LEA**

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: 47.75 g, for 5 L
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) Rinse original package with a small amount of water to remove all traces of powder. Add to solution in step 2.
- 4) 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.
- 5) Add additional water to bring the solution to final volume.
- 6) Sterilize immediately by filtration using a membrane with a porosity of 0.22 microns.
- 7) 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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Manufacturer

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FIT FOR SCIENCE

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