

## Product Information

Dulbecco's Phosphate Buffered Saline  
w/o Calcium and Magnesium, w/o Phenol Red

Cat. No. PBS-1A-P10 (10L), PBS-1A-P50 (50L)

### Product Specifications

Appearance	Off-white to creamy white, homogenous powder
pH	7.20 – 7.80
Storage and shelf life	Store at +2°C to +8°C, dry and protected from light. Please refer to product label for expiration date.
Shipping conditions	Ambient
Use at	9.6 g/L

### Instructions for Use

#### Preparation of 1 liter liquid solution

- Suspend 9.6 g in 900 ml tissue culture grade water with constant, gentle stirring until the powder is completely dissolved. Do not heat the water.
- Adjust the pH to 0.2 to 0.3 pH units below the desired pH using 1 N HCl or 1 N NaOH since the pH tends to rise during filtration.
- Add tissue culture grade water up to the final volume of 1000 ml.
- Sterilize the solution immediately by filtering through a sterile membrane filter with porosity of 0.22 micron or less, using positive pressure rather than vacuum to minimize the loss of carbon dioxide.
- Aseptically add sterile supplements as required and dispense the desired amount of sterile solution into sterile containers.
- Store liquid solution at +15°C to +30°C and in dark until use.

### Additional Information

- Preparation of concentrated solution is not recommended since salt complexes having low solubility may precipitate in concentrated solution.
- If required, supplements can be added to the solution prior to or after filter sterilization observing sterility precautions. Shelf life of the solution will depend on the nature of supplement added to the solution.

### Formulation

Components	Concentration mg/L
<b>Inorganic Salts:</b>	
Disodium Hydrogen Phosphate	1150.00
Potassium Chloride	200.00
Potassium Phosphate, Monobasic	200.00
Sodium Chloride	8000.00

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## Precautions and Disclaimer

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This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

## Help Needed?

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If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email ([techservice@capricorn-scientific.com](mailto:techservice@capricorn-scientific.com)) or phone (+49 6424 944640).