Phosphate Buffered Saline (PBS), Powdered (TBS5101)

Catalog	Unit Size
TBS5101-1	1L
TBS5101-10	10 L
TBS5101-50	50 L

DESCRIPTION

Tribio Phosphate Buffered Saline (PBS) Powder is a convenient, ready-to-reconstitute buffer formulation designed for use in cell culture, flow cytometry, immunoassays, protein analysis, and other biological applications.

The powder dissolves readily in water to prepare a 1× PBS solution. The reconstituted solution contains no added calcium or magnesium and may be sterilized by filtration when a sterile solution is required.

APPLICATION

- Cell culture washing and handling
- Flow cytometry
- ELISA and other immunoassays
- Western blotting
- Immunohistochemistry
- Protein isolation and analysis
- Sample washing and dilution
- General molecular and cell biology applications

PROPERTIES

Concentration:	1× after reconstitution
pH:	7.2-7.6
Form:	Powder
Powder Required:	9.87 g/L
Sterility:	Non-sterile powder; prepared solution may be sterilized by filtration
Composition:	Sodium Chloride (NaCl), Potassium Chloride (KCl), Disodium Hydrogen Phosphate (Na_2HPO_4, anhydrous), Potassium Dihydrogen Phosphate (KH_2PO_4, anhydrous), Not included Calcium and Magnesium.

PROCEDURE

1 L Format

1. Add approximately 800 mL of purified or deionized water to a suitable container.
2. Add 9.87 g of PBS Powder.
3. Mix until completely dissolved.
4. Add water to a final volume of 1 L.
5. Mix thoroughly.

If sterile PBS is required, the prepared solution may be sterilized by filtration.

10 L Formats

Dissolve the appropriate amount of PBS Powder in purified or deionized water and adjust to the desired final volume. The recommended powder concentration is 9.87 g/L.

STORAGE

Store the powder at room temperature in a cool, dry place. Keep the container or pouch tightly closed and protect from moisture.

After reconstitution, store the prepared PBS according to standard laboratory procedures and the requirements of the intended application.

PRECAUTIONS

- For research use only.
- Not intended for human or animal therapeutic use.
  Not intended for diagnostic procedures.
- Use appropriate laboratory practices when handling and preparing this product.

RELATIVE PRODUCTS

TBS5003-02	DPBS, Calcium and Magnesium.
TBS5004	1x PBS
TBS5027	10x PBS (sterile).