

DATA SHEET

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1. Identification

Product name **Phosphate Buffered Saline (PBS), pH 7.4**
50 L (50 tablets)

Cat. No BR0095

2. Description

Phosphate-buffered Saline (PBS) is a water-based salt solution containing sodium phosphate, sodium chloride, potassium chloride and potassium phosphate. PBS is used in cell biology to maintain the osmolarity. Furthermore, PBS is usually used to immunoassays (ELISA, immuno-histochemical). Otherwise, to maintain the protein pH, to dissolve proteins and peptides samples are used PBS.

3. Specifications

Chemicals: Analytical grade.
Format: Exactly pre-weighed tablets
Composition: 0.14 M NaCl; 0.0027 M KCl; 0.010 M PO_4^{3-}

Volume: 1000 mL/Tablet
pH: 7.4 \pm 0.05 at 25 °C

4. Shipping and Storage specifications

PBS buffer is shipped at room temperature. Store the product in a dry place at room temperature.

5. Applications

- Dilute substances
- Used to immobilize a substance, as a protein, in a solid surface
- Immuno-histochemical, ELISA and Western blot assays
- Cell cultures procedures
- Microbiological procedures

6. Directions for use

Dissolve one tablet in 1L of water. Stir until complete dissolution. PBS solution is stable for one year at +4°C

7. Further information

Product Use Limitation This product is developed, designed, and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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