PBS (Phosphate Buffered Saline)

pH 7.2 | Without Calcium and Magnesium

Cat. No. CPP200 | Size: 500 ML / 1L

1. Product Description

PBS is a type of balanced salt solution that plays a role in maintaining pH and osmotic pressure, and supplying moisture and inorganic ions to cells. Therefore, it can be used in a wide range of cell culture fields such as washing cells and tissues, transportation and short-term storage, dilution, and dissolution of other reagents. This product does not contain calcium and magnesium, so it should be selected and used according to the experiment.

2. Composition

Components	mg/L
KH_2PO_4 (Anhydrous)	210.00
NaCl	9000.00
$Na_2HPO_4 \cdot 7H_2O$	726.0

3. Product Quality Specifications

Appearance	pH	Osmolality	Sterility
Colorless clear liquid	pH 7.2 ± 0.1	292 ± 5% mOsm/kg H_2O	Sterile

4. Storage Conditions and Precautions

Store at room temperature (15~30°C) protected from direct light. The expiration date is indicated on the product label; do not use expired products. Product degradation during storage may appear as precipitates, floating particles, turbidity, or color change; discard if any are observed. Long-term storage at low temperatures may cause degradation such as precipitates. The addition of extra substances may also cause degradation.

5. Usage Instructions and Precautions

This product is a sterile solution. Open the cap only in a sterile environment (e.g., a clean bench) using aseptic technique. It is recommended to use the entire contents after opening; otherwise, aliquot into a suitable sterile container and store at room temperature (15~30°C).