PBS

(Phosphate Buffered Saline)

Cat. No. CPP100

pH 7.4

Without Calcium and Magnesium

1. Product Description

PBS is a balanced salt solution that plays a role in maintaining pH and osmotic pressure, as well as supplying moisture and inorganic ions to cells. Therefore, it can be used in a wide range of cell culture applications such as cell washing, transport 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 experimental requirements.

2. Composition

Concentration: mg/L

Inorganic Salts	mg/L
KH_2PO_4 (Anhydrous)	144.00
NaCl	9000.00
Na_2HPO_4 (Anhydrous)	421.10

3. Product Quality Specifications

Appearance	pH	Osmolality	Sterility
Colorless clear liquid	pH 7.4 ± 0.1	298 ± 15 mOsm/kg H_2O	Sterile

4. Storage Conditions and Precautions

Protect from direct light and store at room temperature (15–30°C). Product degradation may appear as precipitates, floating particles, turbidity, or color change; discard if any are observed. Long-term storage at low temperatures can cause degradation, and degradation may also be caused by additionally added substances.

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 for storage.