

1. Identification**Product name** **Phosphate Buffered Saline, pH 7.4 10x.****Catalog.no** **CCBL029****2. Description**

Phosphate Buffered Saline (PBS) is a balanced salt solution commonly used in biological and biochemical research to maintain a stable physiological environment for cells and tissues. It contains sodium chloride, potassium chloride, and phosphate salts that help maintain osmotic balance and a pH around 7.4. PBS provides an isotonic environment similar to that of body fluids, preventing cell damage or lysis. It is widely used for washing cells and tissues, diluting substances, preparing reagents, and serving as a buffer in cell culture, molecular biology and immunological assays..

3. Product Specifications

Appearance	Clear, colorless Solution
pH	7.4
Nucleases	Not Detected
Filtration	Sterile Filtered
Storage and shelf life	Store at room temperature protected from light.

4. Formulation

Components	Concentration mg/L
Inorganic Salts	
Potassium dihydrogen phosphate	1440.00
Sodium chloride	90000.00
Disodium hydrogen phosphate anhydrous	7950.00

5. Precautions and Disclaimer

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