PRODUCT SPECIFICATION SHEET

1X PBS, pH 7.2 Solution with DEPC Treated

Catalog Number: P028-0500 **Size:** 500 mL **Form:** Liquid, ready-to-use

1. Product Description

CELLPICK 1X Phosphate-Buffered Saline (PBS), pH 7.2 treated with DEPC (Diethyl pyrocarbonate) is a specialized RNase-free buffer designed specifically for sensitive molecular biology applications involving RNA handling, extraction, and Northern blotting.

The solution undergoes rigorous DEPC-treatment followed by autoclaving to ensure the complete inactivation of RNases, thereby preventing RNA degradation. Supplied in a convenient 500 mL ready-to-use format, it eliminates the safety hazards of handling raw DEPC in the laboratory while guaranteeing superior nucleic acid preservation.

2. Specifications

Concentration	1X (Ready-to-use)
Composition	137 mM NaCl, 2.7 mM KCl, 4.3 mM Sodium Phosphate (dibasic), 14 mM Potassium Phosphate (monobasic), treated with DEPC (RNase-free)
pH	7.2 ± 0.1 at 25°C
Appearance	Clear, colorless liquid
Storage Conditions	2–8°C (Refrigerated)

3. Recommended Applications & Usage

Essential for RNA isolation procedures, cDNA synthesis preparation, microarrays, and handling RNA samples where RNase contamination must be rigorously avoided.

Usage: Ready to use directly out of the bottle. Use RNase-free techniques and sterile pipettes to prevent introduction of exogenous contaminants.

4. Ordering Information

Catalog Number	Product Name	Packaging Unit
P028-0500	1X PBS, pH 7.2 Solution with DEPC Treated	500 mL