PRODUCT SPECIFICATION SHEET

10X PBS, pH 7.6 Solution

Catalog Number: P015-1000 **Size:** 1000 mL **Form:** Liquid, ready-to-dilute stock

1. Product Description

CELLPICK 10X Phosphate-Buffered Saline (PBS), pH 7.6 is a specialized, premium-grade buffering solution designed for advanced molecular biology, immunohistochemistry, and specific enzymatic assays requiring a slightly alkaline physiological environment. This concentrated master stock accurately provides a stable pH 7.6 upon working-strength dilution, ensuring optimal conditions for specialized biochemical reactions and sensitive antibody bindings.

Prepared with ultra-pure reagents, this pre-mixed concentrate eliminates the tedious labor of manual salt weighing, precise pH titration, and autoclave sterilization. The 1000 mL packaging format is ideally tailored for core facilities, high-throughput laboratories, and large-scale research workflows.

2. Specifications

Concentration	10X
Composition	1.35 M NaCl, 27 mM KCl, Sodium Phosphate (dibasic) and Potassium Phosphate (monobasic) titrated to target pH
pH	7.6 ± 0.1 (upon dilution to 1X working concentration at 25°C)
Appearance	Clear, colorless liquid
Storage Conditions	2–8°C (Refrigerated)

3. Recommended Applications & Usage

This product is specifically recommended for applications requiring an alkaline phosphate-buffered saline environment, such as specialized nucleic acid hybridizations, protein purifications, and particular immunohistochemical staining protocols.

Usage (Dilution): This product is a 10X concentrated stock and must be diluted prior to use. To prepare a standard 1X working solution, combine 1 part of 10X PBS (pH 7.6) with 9 parts of sterile distilled or deionized water (e.g., mix 50 mL of 10X stock with 450 mL of water). Invert gently until fully homogeneous. No further pH titration is required.

4. Ordering Information

Catalog Number	Product Name	Packaging Unit
P015-1000	10X PBS, pH 7.6 Solution	1000 mL