PRODUCT SPECIFICATION SHEET

20X PBS, pH 7.4 Solution with 1% Tween 20

Catalog Number: P012-1000 **Size:** 1000 mL **Form:** Liquid, ready-to-dilute stock

1. Product Description

CELLPICK 20X Phosphate-Buffered Saline (PBS) with 1% Tween 20, pH 7.4 is a specialized, premium-grade washing buffer stock formulated specifically for immunoassays, Western Blotting (WB), Enzyme-Linked Immunosorbent Assays (ELISA), and Immunohistochemistry (IHC). The inclusion of the non-ionic detergent Tween 20 significantly reduces non-ionic hydrophobic interactions and background staining, ensuring clean and reliable assay results under physiological pH conditions.

This 20X concentrated master stock allows researchers to eliminate the tedious process of manual detergent pipetting and precise surfactant dissolution. The 1000 mL packaging provides an economical, high-throughput solution for laboratories requiring consistent washing buffer preparation.

2. Specifications

Concentration	20X (containing 1% Tween 20)
Composition	2.7 M NaCl, 54 mM KCl, 86 mM Sodium Phosphate (dibasic), 28 mM Potassium Phosphate (monobasic), 1% (v/v) Tween 20
pH	7.4 ± 0.1 (upon dilution to 1X working concentration at 25°C)
Appearance	Clear, colorless liquid
Storage Conditions	2–8°C (Refrigerated). Protect from light.

3. Recommended Applications & Usage

This product is an ideal washing buffer for membrane-based and plate-based assays. Key applications include post-antibody incubation washing in Western Blotting and ELISA, as well as general immunostaining rinses where high stringency and low background are critical.

Usage (Dilution): This product is a 20X concentrated stock and must be diluted prior to use. To prepare a standard 1X working solution containing 0.05% Tween 20, combine 1 part of 20X PBS-T with 19 parts of sterile distilled or deionized water (e.g., mix 50 mL of 20X stock with 950 mL of water). Mix gently by inversion until fully homogenized.

4. Ordering Information

Catalog Number	Product Name	Packaging Unit
P012-1000	20X PBS, pH 7.4 Solution with 1% Tween 20	1000 mL