PRODUCT SPECIFICATION SHEET

5X NATIVE-PAGE Sample Loading Buffer

Catalog Number: S004-1MLX10 **Size:** 1 mL × 10 **Form:** Liquid, ready-to-use

1. Product Description

CELLPICK 5X Native-PAGE Sample Loading Buffer is a specialized, ready-to-use formulation designed for preparing non-denatured protein samples prior to native polyacrylamide gel electrophoresis.

Formulated without reducing agents such as DTT or mercaptoethanol, this buffer preserves native protein conformation, quaternary structure, and enzymatic activity during electrophoretic separation. Supplied in a convenient 1 mL × 10 format to ensure stability and experimental reproducibility.

2. Specifications

Concentration	5X Concentrate
Composition	250 mM Tris-HCl (pH 6.8), 10% SDS, 50% Glycerol, 0.2% Bromophenol blue
pH	6.8 ± 0.1 at 25°C
Appearance	Dark blue liquid
Storage Conditions	2–8°C (Refrigerated)

3. Recommended Applications & Usage

Optimized for native gel electrophoresis workflows where preservation of protein structure, complex assembly, or enzymatic activity is required.

Usage: Mix 1 volume of 5X Native Loading Buffer with 4 volumes of protein sample. Load directly onto the gel without heating.

4. Ordering Information

Catalog Number	Product Name	Packaging Unit
S004-1MLX10	5X NATIVE-PAGE Sample Loading Buffer	1 mL × 10