PRODUCT SPECIFICATION SHEET

0.1M EDTA, pH 8.0

Catalog Number: E002-0500 **Size:** 500 mL **Form:** Liquid, ready-to-use

1. Product Description

CELLPICK 0.1M EDTA, pH 8.0 is a high-purity, ready-to-use chelating agent solution formulated for precision molecular biology applications. By selectively binding divalent metal cations like Mg^{2+} and Ca^{2+}, it effectively inactivates metal-dependent nucleases and proteases, thereby protecting sensitive nucleic acid and protein samples from degradation.

The 0.1M concentration provides an optimized, versatile working stock for protocols requiring lower EDTA concentrations compared to standard 0.5M solutions. This sterile, pre-mixed buffer eliminates weighing and pH adjustment steps, ensuring maximum reproducibility across diverse experiments.

2. Specifications

Concentration	0.1 M
Composition	100 mM Na_2EDTA, pH adjusted to 8.0 with sodium hydroxide, sterile solution.
pH	8.0 ± 0.1
Appearance	Clear, colorless liquid
Storage Conditions	2–8°C (Refrigerated)

3. Recommended Applications & Usage

This solution is highly versatile and frequently utilized in molecular biology and biochemistry workflows. Key applications include the preparation of DNA and RNA resuspension buffers (such as TE buffer), washing steps in nucleic acid purification protocols, and specific enzymatic inhibition assays.

Usage: Add the appropriate volume directly to your working buffers or cell suspensions to achieve the desired final EDTA concentration. No further pH adjustment or sterilization is required prior to use.

4. Ordering Information

Catalog Number	Product Name	Packaging Unit
E002-0500	0.1M EDTA, pH 8.0	500 mL