PRODUCT SPECIFICATION SHEET

50X TAE Solution

Catalog Number: T001-0500 **Size:** 500 mL **Form:** Liquid, ready-to-use concentrate

1. Product Description

CELLPICK 50X TAE (Tris-acetate-EDTA) Solution is a high-purity, sequencing-grade electrophoresis buffer widely used for the separation of nucleic acids (DNA and RNA) in agarose and polyacrylamide gel electrophoresis.

TAE buffer provides optimal resolution for larger DNA fragments (>4 kb) and is the preferred buffer for DNA recovery and subsequent enzymatic manipulations. Supplied in an economical 10 L bulk packaging format to support high-throughput laboratory workflows.

2. Specifications

Concentration	50X Concentrate (DNA Sequencing Grade)
Composition	2 M Tris-acetate, 50 mM EDTA, molecular biology grade
pH	8.3 ± 0.1 at 25°C (1X working solution)
Appearance	Clear, colorless liquid
Storage Conditions	Room temperature or 2–8°C

3. Recommended Applications & Usage

Ideal for routine DNA agarose gel electrophoresis, nucleic acid recovery, Southern blotting, and preparative gel electrophoresis.

Usage: Dilute 50X stock to 1X working solution with deionized, distilled water prior to use (e.g., add 20 mL of 50X TAE to 980 mL of water).

4. Ordering Information

Catalog Number	Product Name	Packaging Unit
T001-0500	50X TAE Solution	500 mL