PRODUCT SPECIFICATION SHEET

# 10X TAE Solution

**Catalog Number:** T002-1000 **Size:** 1000 mL **Form:** Liquid, ready-to-use concentrate

## 1. Product Description

CELLPICK 10X TAE (Tris-acetate-EDTA) Solution is a high-purity electrophoresis buffer formulated for the separation of nucleic acids (DNA and RNA) in agarose and polyacrylamide gel electrophoresis workflows.

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 a convenient 1000 mL packaging format to support high-throughput laboratory operations.

## 2. Specifications

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|---|---|
| **Concentration** | 10X Concentrate |
| **Composition** | 400 mM Tris acetate, 10 mM EDTA, molecular biology grade |
| **pH** | 8.3 ± 0.1 at 25°C (1X working solution) |
| **Appearance** | Clear, colorless liquid |
| **Storage Conditions** | 2–8°C (Refrigerated) |

## 3. Recommended Applications & Usage

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

**Usage:** Dilute 10X stock to 1X working solution with deionized, distilled water prior to use (e.g., add 100 mL of 10X TAE to 900 mL of water).

## 4. Ordering Information

| Catalog Number | Product Name | Packaging Unit |
|---|---|---|
| T002-1000 | 10X TAE Solution | 1000 mL |