PRODUCT SPECIFICATION SHEET

# 10X TAE with enhanced EDTA

**Catalog Number:** T004-1000 **Size:** 1000 mL **Form:** Liquid, ready-to-use concentrate

## 1. Product Description

CELLPICK 10X TAE with enhanced EDTA Solution is a specialized electrophoresis buffer formulation designed with a higher concentration of EDTA to provide superior metal chelation and enhanced protection against nuclease activity during nucleic acid separation workflows.

Ideal for demanding agarose and polyacrylamide gel electrophoresis where robust nuclease inhibition and consistent resolution are required. Supplied in a convenient 1000 mL packaging format.

## 2. Specifications

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|---|---|
| **Concentration** | 10X Concentrate |
| **Composition** | 400 mM Tris-acetate, 20 mM EDTA |
| **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

Recommended for standard and high-resolution nucleic acid electrophoresis where enhanced protection against metal-dependent nucleases is beneficial.

**Usage:** Dilute appropriately with deionized water to achieve the desired 1X working concentration before running gels.

## 4. Ordering Information

| Catalog Number | Product Name | Packaging Unit |
|---|---|---|
| T004-1000 | 10X TAE with enhanced EDTA | 1000 mL |