PRODUCT SPECIFICATION SHEET

# 10X TE, pH 8.0 Solution

**Catalog Number:** T018-1000 **Size:** 1000 mL **Form:** Liquid, ready-to-use

## 1. Product Description

CELLPICK 10X TE, pH 8.0 Solution is a high-purity, sterile-filtered buffer widely used in molecular biology for dissolving, storing, and protecting DNA and RNA samples against degradation.

Formulated with Tris-HCl and EDTA to chelate divalent cations, this concentrated solution prevents enzymatic DNA/RNA breakdown and ensures stability during storage.

## 2. Specifications

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|---|---|
| **Concentration** | 10X Concentrate (Sterile Filtered) |
| **Composition** | 100 mM Tris-HCl, 10 mM EDTA, pH 8.0, molecular biology grade |
| **pH** | 8.0 ± 0.1 at 25°C (1X working solution) |
| **Appearance** | Clear, colorless liquid |
| **Storage Conditions** | 2–8°C (Refrigerated) |

## 3. Recommended Applications & Usage

Ideal for dissolving DNA and RNA pellets, storing purified nucleic acids, and use in cloning, sequencing, and PCR workflows.

**Usage:** Dilute 1 volume of 10X stock with 9 volumes of sterile, nuclease-free water to prepare a 1X working solution before use.

## 4. Ordering Information

| Catalog Number | Product Name | Packaging Unit |
|---|---|---|
| T018-1000 | 10X TE, pH 8.0 Solution | 1000 mL |