

# DATA SHEET

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## 1. Identification

**Product name** **TE (10X) Buffer pH 7.4 (10x)**  
1000 mL 10x solution

**Cat. No** **BR0013**

## 2. Description

**Tris-EDTA (TE)** is a solution which contains a buffer, Tris and chelating agent, EDTA. EDTA avoids the degradation of DNA and RNA by kidnapping of magnesium or other divalent metal ions. Generally, TE is used to solubilize DNA and RNA, protecting it from degradation. Moreover, in immunohistochemical, formalin and other aldehyde fixation produce protein cross-link that masks the antigenic sites giving weak or false negative. With TE buffer breaks the protein cross-link, unmasks the antigenic and epitopes, therefore enhances staining intensity of antibodies.

## 3. Specifications

**Format:** Liquid

**Composition (10X):** 0.1 M Tris-HCl, 0.010 M EDTA

The pH should be  $7.4 \pm 0.2$  at 25°C.

- The pH of the solution may require slight adjustment.
- Adjust pH with 1N HCl (if pH is high) or 1N NaOH (if pH is low).

## 4. Shipping and Storage specifications

TE buffer is shipped at room temperature. Store the product in a dry place at room temperature.

## 5. Applications

- DNA and RNA procedures, as electrophoresis, storage, extraction, etc
- Immunohistochemistry procedures.

## 6. Directions for use

Dilute 10x solutions 10:1 to make a 1x working solution.

## 7. Further information

**Product Use Limitations** This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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