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DATA SHEET

Version: 3
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1. Identification

Product name **TE (10X) Buffer (pH 7.4), Sterile**

Cat. No

BR0014	1000 mL (1x solution)
BR0013	1000 mL (10x solution)
BR0015	5 L (10x solution)

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 immunohistochemichal, formalin and other aldehyde fixation produce protein cross-link that masks the antigenic sites giving weak or false negative. TE buffer breaks the protein cross-link, unmasks antigens and epitopes, therefore enhancing staining intensity of antibodies.

3. Specifications

Format: Liquid
Composition (10X): 0.1 M Tris-HCl, 0.010 M EDTA
Direction of use (1x) Ready-to-use solution; **(10X)** Dilute 10x solutions 10:1 to make a 1x working solution.
Sterilization: purified using a 0.22 µm filtration process [aseptically filled]

The pH should be 7.4 ± 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, such as electrophoresis, storage, extraction, etc
- Immunohistochemistry procedures.

6. Quality

Manufactured in an **ISO 13485:2016 and GMP-certified facility**, located in Boecillo, Valladolid (Spain), under ISO9001:2016 procedures to ensure the highest quality standards.

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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