Canvax Reagents, S.L.U.
Luis de Mercado Street, 19
Boecillo Technological Park
47151, Boecillo
Valladolid, Spain.

Tlf: +34 983 54 85 63
info@canvaxbiotech.com

www.canvaxbiotech.com

DATA SHEET

Version: 2
Revision date: 17/02/23

1. Identification

Product name **10x Tris-Acetate-EDTA (TAE) Buffer, pH 8.3**

Cat. No BR0020

2. Description

TBE and TAE are the most commonly used buffers for DNA and RNA polyacrylamide gel electrophoresis. Both buffers are useful because they have a basic pH, this allowing migrations of the DNA through the gel toward the positive anode. TBE and TAE buffers are used for the analyses of DNA products resulting from PCR amplification, DNA purification, or DNA cloning experiments. TBE has high resolution for separating
smaller DNA fragments but it is complicated recovery DNA from gel. TAE has a low ionic strength and buffering ability, it used to separating DNA larger than 1500 pb and easily recover the DNA from gel.

3. Specifications

Chemicals: Analytical grade.
RNAse/DNAse activity: non-detectable
Format: 10X solution
Volume: 1000 ml
pH: 8.3± 0.05 at 25 °C

4. Shipping and Storage specifications

TBE and TAE buffers are shipped at room temperature.
Store the product in a dry place at room temperature.

5. Applications

- Running buffer and gels for RNA analysis native and denaturing
- Polyacrylamide and agarose gels
- Nucleic acid electrophoresis
- Transfer buffer in Northern Blotting

6. Directions for use

Dilute 10x solutions 10:1 to make a 1x working solution.
1x buffer will contain 40 mM Tris, 20 mM acetic acid and 1 mM EDTA.

7. Further information

Product Use Limitation 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.

Disclaimer The information provided in this Data Sheet is correct to the best of our knowledge and belief at the date of publication. This information is intended only as a guide and should not be taken as a warranty or quality specification. Canvax Reagents S.L.U. shall not be held liable for any damage resulting from handling or from contact with the above product.