

## Product Information

### TAE (10X) (Tris-acetate-EDTA)

Catalogue Number: GBTAE02

## General Information

10X TAE Buffer is widely used for running DNA and RNA samples on agarose gels during electrophoresis. It provides excellent resolution for fragments up to several kilobases and maintains a stable pH environment. The presence of EDTA chelates divalent metal ions (like  $Mg^{2+}$ ), which helps protect nucleic acids from degradation by nucleases.

To prepare a 1X working solution, dilute 1 part of 10X TAE Buffer with 9 parts of deionized water.

## Product Specification

Appearance : Clear, colorless solution

pH :  $8.3 \pm 0.2$

Storage & Shelf Life : Store at Room temperature and use within 12 months

Shipping Conditions : Ambient

## Formulation

Components	Concentration g/L
Tris Base	48.5
Glacial Acetic Acid	11.4ml
EDTA (Ethylenediaminetetraacetic Acid, disodium salt)	3.72

**This product is for research use only.**

## Need help?

If you have any further queries, please feel free to email our cell culture specialists at [info@genexisbiotech.com](mailto:info@genexisbiotech.com)

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