Product Information

Cat No. HBT014586
Product name-TAE Buffer 50X Solution (Tris Acetate-EDTA Buffer)
Pack Size: 500 ml
Concentration- 50X
Storage: 20-25 °C

Product Description

Tris Acetate-EDTA (TAE) buffer is the most commonly used running buffer in nucleic acid electrophoresis. This buffer is suitable for both agarose gels and polyacrylamide gels. TAE buffer has lower ionic strength and buffering capacity therefore generates slow heat during electrophoresis, hence this buffer is recommended for high resolution separation of large nucleic acid fragments such as DNA and RNA fragment greater than 1500 bp, large supercoiled plasmids and Genomic DNA.
This 50X TAE Buffer contains 2M Tris base, 50 mM EDTA and the solution is adjusted to 8.3 pH using acetic acid.

Preparation Instructions

Preparation of 1× TAE working buffer: Dilute the 50× concentrated buffer 50-fold with ultrapure water Notes : If precipitation is present in the 50× buffer, warm the bottle to 37 °C and mix until completely dissolved prior to dilution.

Quality control

The quality of the HB 50x TAE buffer is tested on lot to lot basis to ensure the consistent product quality

Use Restrictions

For Research use only. Not for Use in Diagnostic Procedures