25X TAE Buffer (Tris-Acetate-EDTA)

Cat No. BF-M-TAE-25X

DESCRIPTION

TAE (Tris-Acetate-EDTA) Buffer is commonly used in nucleic acid electrophoresis. This solution has a lower buffering capacity than TBE buffer, but double stranded DNA runs faster with TAE buffer. TAE is used for electrophoresis of nucleic acids in agarose and polyacrylamide gels. It can be used for both genomic and large supercoiled DNA, and can also be used as both a running buffer and a gel preparation buffer. It is recommended for resolution of RNA and DNA fragments larger than 1500 base pair, for genomic DNA and for large supercoiled DNA.
MOLEQULE-ON TAE Buffer is free from DNase, RNase, and Protease activity.

COMPOSITION

1X buffer will contain 40mM Tris, 20mM acetic acid and 1mM EDTA.

PREPARATION OF 1X WORKING SOLUTION

To prepare a one liter of 1X working solution of TAE Buffer, mix 40ml of 25X TAE Solution with 960ml ultrapure water.

STORAGE

Store at 18-25°C.

For Laboratory use only. Not intended for any animal or human therapeutic or diagnostic uses.