

Technical Data Sheet

MOLEQULE-ON[®]

1X TBE Buffer (Tris-Borate-EDTA)

Cat No. BF-M-TBE-1X

DESCRIPTION

TBE buffer (Tris-Borate-EDTA), 1X solution is commonly used in all DNA electrophoresis applications (both for acrylamide and for agarose gels). In general, TBE buffer offers better resolution of 0.1 to 3 kb fragments; whereas, TAE (Tris-Acetate-EDTA) buffer provides better resolution of fragments greater than 4 kb. Furthermore, TBE is better suited for high-voltage (>150V) electrophoresis because of its higher buffering capacity and lower conductivity than TAE. 1X TBE Solution contains 0.089 M Tris Base, 0.089 M Borate Acid, and 0.002 M EDTA.

Please note if crystallization or precipitation does occur, additional filtration may be necessary. The solution should be filtered through a 0.2 µm cellulose acetate or cellulose nitrate filter.

MOLEQULE-ON TBE Buffer is free from DNase, RNase, and Protease activity.

COMPOSITION

A single-strength (1X) solution contains 0.089M Tris base, 0.089M Borate and 0.002M EDTA.

STORAGE

Store at 18-25°C.

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