

## TBE Buffer<sup>1</sup> (10x)

Cat. No. 42557

### Product description:

**General** Electrophoresis running buffer in aqueous solution, 10x concentrate. TBE buffer is widely used for electrophoresis of nucleic acids. It has a higher buffer capacity than TAE and can be used for DNA and RNA polyacryl-amide and agarose gel electrophoresis. TBE buffer is recommended when electrophoresing >150 V and provides better resolution of 0.1- to 3-kb fragments than TAE buffer.

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| <b>Composition</b> | Components                 | Concentration |
|--------------------|----------------------------|---------------|
|                    | TRIS                       | 0.89 M        |
|                    | EDTA-Na <sub>2</sub> -salt | 0.02 M        |
|                    | Boric acid                 | 0.89 M        |
|                    | pH 8.3 ± 0.2               |               |

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**Storage** Recommended storage temperature is +15 °C – +30 °C.

### Working solution:

To prepare 1 l 1x running buffer:

To 100 ml 10x concentrate add 900 ml deionized water.  
Concentration of components in 1x solution:

89 mM TRIS  
2 mM EDTA-Na<sub>2</sub>-salt  
89 mM Boric acid

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<sup>1</sup>Sambrook, J., Fritsch, E.F., Maniatis T. (1989), Molecular Cloning: a laboratory manual, 2nd. ed., vols. 1,2, and 3, Cold Spring Harbor, N. Y.: Cold Spring Harbor Laboratories