

PRODUCT INFORMATION

TBE Buffer (10x) molecular biology grade**Cat.-No. 39320**

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 polyacrylamide and agarose gel electrophoresis. TBE buffer is recommended for electrophoresis at >150 V and provides better separation for 0.1 to 3 kb fragments than TAE buffer.

Composition	Component	Concentration
	TRIS	0.89 M
	EDTA-Na ₂ salt	0.02 M
	Boric acid	0.89 M
	pH 8.3 ± 0.2	

Storage

Recommended storage temperature is +15 °C - +30 °C.

Working Solution

Preparation of 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-Na₂ salt

89 mM Boric acid

¹Sambrook, 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

Ver 03/23