

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

Cat. No. 42553

### Product Description:

**General** Electrophoresis running buffer in aqueous solution, 10x concentrate.  
TAE buffer is used for electrophoresis of nucleic acids. It has a lower buffer capacity than TBE, however linear dsDNA tends to run faster in TAE than in TBE buffer. TAE buffer provides best results with supercoiled DNA and better resolution of fragments >4 kb.

---

<b>Composition</b>	Components	Concentration
	TRIS	0.4 M
	EDTA-Na <sub>2</sub> -salt	0.01 M
	Acetic acid	0.2 M
	pH 8.5 ± 0.2	

---

**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:

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

---

<sup>1</sup>Sambrook, J., Fritsch, E.F., Maniatis T. (1989), Molecular Cloning: a laboratory manual, 2nd. ed., B.23, p. 6.7, Cold Spring Harbor, N. Y.: Cold Spring Harbor Laboratories