



## TBE Buffer 10X

### Description

Tris-Borate-EDTA (TBE) buffer, 10X is the most commonly used buffer for DNA and RNA polyacrylamide gel electrophoresis. TBE is used with non-denaturing or denaturing (7 M urea) gels. It is also routinely used for DNA automated sequencing gel. TBE can also be used for agarose gels but is not recommended for preparative gels for recovery of nucleic acids. Since borate in TBE buffer is a strong inhibitor for many enzymes, TAE buffer is recommended when looking at enzymatic applications for the DNA sample.

### Usage

Ready for use after dilution to working concentrations. Dilution of the TBE stock concentrates to a 1X TBE running buffer results in a buffer containing 89 mM Tris-borate and 2 mM EDTA, pH 8.3. The 5X or 10X stocks may also be added to an acrylamide/bis-acrylamide stock solution for making the PAGE gel.

### Technical Information

<b>Formulation:</b>	10X
<b>pH:</b>	~8.3
<b>Solubility:</b>	soluble in water
<b>Storage:</b>	Store at room temperature