



Specification Sheet

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TBE Buffer (10X Concentrate)

Catalog #:

T0006.1L	1L of 10X Concentrate, pH 8.2
T0006.10L	10L of 10X Concentrate, pH 8.2
T0006.20L	20L of 10X Concentrate, pH 8.2

Description:

In molecular biology, TBE buffer is often used in procedures involving nucleic acids, the most common being electrophoresis. Tris-acid solutions are effective buffers for slightly basic conditions, which keep DNA deprotonated and soluble in water. EDTA is a chelator of divalent cations, particularly of magnesium (Mg^{2+}). As these ions are necessary co-factors for many enzymes, including contaminant nucleases, the role of the EDTA is to protect the nucleic acids against enzymatic degradation. TBE Buffer is provided as a 10X concentrate, after 9:1 dilution with reagent grade water the working solution contains 89mM Tris, 89mM Boric Acid and 2mM EDTA.

Appearance:

Clear liquid

Storage Conditions:

Store at room temperature.

Health And Safety:

See MSDS

Instructions for Use:

Dilute 9:1 with reagent grade water for working solution.

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