

# Atlas TBE Buffer Tablets

Cat. No.	Pack Size
BA50301	75 pcs

## Storage:

Store at RT, shipping at room temperature.  
The reconstituted buffer is stable for several days at 4°C if 0.2 µm filtered.

## Applications:

- Analytical electrophoresis of DNA and RNA
- Blotting of DNA and RNA

## Description:

Atlas TBE (Tris-Borate-EDTA) buffer is commonly used buffer for routine DNA or RNA gel electrophoresis. TBE buffer is not recommended for preparative gels for recovery of nucleic acids, since borate in TBE buffer is a strong inhibitor for many enzymes.

## Specification:

Atlas TBE Buffer Tablets contain ready-mixed Tris-Borate-EDTA buffer powder (170.28 g/L). See the table below to achieve needed solution concentration.  
On dilution, the resultant 1x TBE solution will have final concentration of 89 mM Tris Base, 89 mM Boric Acid and 2 mM EDTA, pH (20°C; H<sub>2</sub>O) 8.3 ± 0.2.

## Protocol:

- Use the bottle or flask that is at least 3 times of the volume of the solution being prepared. Add an appropriate number of TBE buffer tablets in the water. See the table below to achieve needed solution concentration.  
Dissolve the tablet completely! Don't dissolve parts of the tablet.

**Do NOT use hot water** for dissolving the tablet

Conc.	1 tablet	2 tablets
0.5 X	100 ml	200 ml
1.0 X	50 ml	100 ml

- Soak the tablet in the water for 1-3 minutes or until it is dissolved.  
For tablet dissolving use the water which is at room temperature.

## Safety warnings and precautions:

This product is designed for research purposes and *in vitro* use only.  
According to common laboratory safety practice, it is recommended to wear protective clothing, gloves and safety glasses. Please refer to [www.bioatlas.com](http://www.bioatlas.com) for Material Safety Data Sheet of the product.  
*Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required.*