

# Crystal 10x TBE Buffer

Tris-Borate-EDTA buffer for electrophoresis

**Catalog Number:**  
BIO-37104 10 pouches

Research Use Only

**Store at room temperature**

## Description

Crystal 10x TBE Buffer is a Tris-Borate- EDTA electrophoresis running buffer made from reagents with the highest purity and delivered in convenient ready-to-use sealed pouches. Each pouch contains a pre-determined amount of components, providing increased buffer precision. There is no need to spend time in the laboratory weighing and handling the loose components for the buffers. Simply dissolve the contents of each the pouch in deionized water to the recommended volume and the buffer is ready for use without any further preparation.

Crystal 10x TBE Buffer is tested for the absence of DNase/RNase contamination and is the buffer of choice when running short nucleic acid fragments (below 1500bp).

## Protocol

Dissolve contents of one pouch in deionized water and make up the volume to 1000ml to obtain a 10x TBE buffer solution. TBE can be used at a concentration of 0.5x for agarose gel electrophoresis and 1x for polyacrylamide gel electrophoresis.

## Reagent Specifications

**Composition:**  
0.89M Tris-Borate, 0.02M EDTA, pH 8.3 at 25°C, when dissolved in deionized water and made up to 1000ml.

**Storage Conditions:**  
Unopened pouches can be stored at room temperature for 3 years. The 10x stock solution prepared in a sterile bottle with high quality water and filtered through a 0.20µm filter can be stored for 1 year at room temperature. Passing the 10x solution through the filter prevents or delays the formation of precipitates. 1x solutions should be prepared fresh before use.

**Safety and handling:**  
For safety information please refer to product MSDS on the website at [www.bioline.com](http://www.bioline.com)

## Quality control

Crystal buffers undergo extensive and stringent QC assays to guarantee batch-to-batch reproducibility.

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**Warranty/Disclaimer**

Bioline products meet or exceed the specifications set in the technical data section. Bioline agrees to replace the products free of charge if they do not conform to the specifications. In the event the products fail to meet the warranted specifications, the sole obligation of Bioline is limited to replacement of the products free of charge.

All prices and products are subject to change without prior notification. For the most up-to-date product information, please visit the Bioline website at [www.bioline.com](http://www.bioline.com)

**Notes**

This product insert is a declaration of analysis at the time of manufacture.

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For detailed product information, please visit our website at [www.bioline.com](http://www.bioline.com)

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