

# 1 × TBE Instant Granules

G103

Version 24.1



## Product Description

1 × TBE Instant Granules are premixed instant granules. The 1 L of TBE solution contains 89 mM Tris-Borate, 2 mM EDTA and pH  $8.5 \pm 0.1$  (25°C). The features of this product are rapid dissolution; no need to weigh and adjust pH; efficient and time-saving.

This product is one of the most commonly used buffers in biology. It is widely used for electrophoresis of nucleic acids in agarose and polyacrylamide gels, as both a running and a gel preparation buffer. With a relatively high buffering capacity, TBE buffer is ideally suited for long electrophoretic runs. TBE buffer is commonly utilized in biochemistry, molecular biology, cell biology, experimental zoology and other research fields.

## Components

Components	G103
1 × Tris-Borate-EDTA Running Buffer (TBE)	10 × 1 L

▲ Each bag of TBE instant granules can be prepared into 1 L of TBE solution. A total of 10 L of 1 × TBE solution can be prepared.

## Storage

Store at 15 ~ 25°C and transport at room temperature.

## Applications

It is applicable for electrophoresis of nucleic acids in agarose and polyacrylamide gels, as both a running and a gel preparation buffer.

## Notes

For research use only. Not for use in diagnostic procedures.

1. For your safety and health, please wear a lab coat and disposable gloves.
2. TBE solution may produce precipitation at low temperature. If precipitation occurs, please place it in a 37°C water bath until it is completely dissolved before use.
3. Make sure the equipment used is clean before preparing solutions.
4. When opening the package, avoid spilling the powder in the bag. A small amount of agglomerated dry powder remained in the bag, which does not affect the experimental results.

## Experiment Process

Take out one bag of 1 × TBE Instant Granules, then dissolve all the granules in 800 ml of ddH<sub>2</sub>O. Finally, add ddH<sub>2</sub>O to bring the total volume up to 1 L and fully dissolve before use.