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**Attention:** Updated product packaging will include a new bottle. Product will no longer be supplied with an outer box.



Certificates

SDS

Thermo Scientific™

## TBE Buffer (Tris-borate-EDTA) (10X)

Thermo Scientific 10X TBE Buffer (Tris-borate-EDTA) is the most commonly used buffer for DNA and RNA polyacrylamide gel electrophoresis. [Read more](#)

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Catalog Number	Quantity
B52	1 L

atalog number B52





Quantity:

1 L

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Thermo Scientific 10X TBE Buffer (Tris-borate-EDTA) 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 (Tris Acetate-EDTA buffer, 10X powder, sc-296647) is recommended when looking at enzymatic applications for the DNA sample.

### Applications

- Electrophoresis of nucleic acids in agarose and polyacrylamide gels
- Used both as a running buffer and as a gel preparation buffer
- Filtered through a 0.22 µm membrane
- Recommended for electrophoresis of RNA and DNA fragments smaller than 1500 bp

### Note

Double-stranded linear nucleic acid molecules migrate about 10% slower in TBE buffer than in [TAE buffer](#).

For Research Use Only. Not for use in diagnostic procedures.

### Specifications

Product Type	TBE Buffer
Quantity	1 L
Concentration	10X
Unit Size	Each



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## Frequently asked questions (FAQs)

For the purpose of recovering and solubilizing nucleic acids in alcohol, can TAE running buffer be used instead of TBE running buffer when running a pre-cast TBE gel? ▼

## Documents & Downloads

### Certificates

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### Safety Data Sheets



### Product Information



 [User Guide: 10X TBE Electrophoresis Buffer](#)

 [User Guide: General Recommendations for DNA Electrophoresis](#)

 [User Guide: Denaturing Polyacrylamide/Urea Gels in TBE Buffer](#)

## Scientific Resources

### Posters



 [Poster: Five simple wins to keep your DNA electrophoresis on track](#)