
**10X Tris Borate EDTA Buffer
(10X TBE)**

Catalog #:	351-001-131	1000 ml
	351-001-131CS	10 X 1000mL
	351-001-497	4 L
	351-001-151	10 L

Store at: 15°C to 30°C
Shipped at: ambient temperature

Description

Quality Biological's (QBI) Tris Borate EDTA Buffer (10X) is prepared from Molecular Biology Grade Tris base [tris(hydroxymethyl)aminetetracetic acid] and ACS Grade boric acid using Quality Biological's Molecular Biology Grade (MBG) water. The final product is filtered through a 0.2 µm filter and sterilized.

Applications

Because of its high buffering capacity, TBE Buffer is routinely used at a 1X concentration for DNA electrophoresis involving extended periods of time or high voltages. When used for DNA electroelution from gel slices or electrophoresis onto DEAE cellulose membrane, TBE (10X) should be diluted to a 0.5X concentration for best results.

Quality Control*General*

The quality of a product is a combination of careful selection of raw materials, proper manufacturing procedures, and diligent monitoring of each step.

All QBI products for Molecular Biology are prepared according to standard published protocols^{1,2} or to formulations provided by customers.

Quality Control is used to determine whether each step in the manufacturing process has been properly carried out and the finished product meets or exceeds the standards established for it.

Product Specific Testing

Borate EDTA Buffer (10X) is routinely tested for the absence of DNase, RNase, and Protease activity.

The test results of individual lots of 10X Tris Borate EDTA Buffer are available on the QBI website.

References

1. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, a Laboratory Manual, 2nd Edition.*, Cold Spring Harbor Press
2. Ausubel, F.M. et al., eds. (1993) *Current Protocols in Molecular Biology*. Green Publishing Associates, Inc., in association with John Wiley & Sons, Inc.
3. Davis, L.G. Dibner, M.D. & Battey, J.F. (1986) *Basic Methods in Molecular Biology*. Elsevier Science Publishing Company, Inc.

Related Products

5X DNA Gel Loading Solution

Catalog #	351-028-661EA	10mL
	351-028-661	Pack of 5 x 10mL

10X Tris Acetate Buffer (10X TAE)

Catalog #	351-009-131	1000mL
	351-009-791	4 Liters

50X Tris Acetate Buffer (50X TAE)

Catalog #	351-008-131	1000mL
	351-008-131CS	10 x 1000mL
	351-008-491	4 Liters
	351-008-151	10 Liters

DEPC Treated Water

Catalog #	351-065-721EA	100mL
	351-068-721	Pack of 4 x 100mL
	351-068-131	1000mL
	351-068-131CS	10 x 1000mL
	351-068-491	4 Liters
	351-068-151	10 Liters
	351-068-161	20 Liters

Molecular Biology Grade Water

Catalog #	351-029-721EA	100mL
	351-029-721	Pack of 4 x 100mL
	351-029-101	500mL
	351-029-101CS	10 x 500mL
	351-029-131	1000mL
	351-029-131CS	10 x 1000mL
	351-029-491	4 Liters
	351-029-151	10 Liters
	351-068-161	20 Liters

All products sold by Quality Biological, Inc. are intended for research use only. This product has not been approved for diagnostic or IVD use.