

0.5M EDTA, pH 8.0

Catalog #:	351-027-721EA	100mL
	351-027-721	4 x 100mL
	351-027-101	500mL

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

Description

Quality Biological's (QBI) EDTA, pH 8.0 is prepared from Molecular Biology grade EDTA (ethylenediaminetetraacetic acid) disodium dihydrate salt using Quality Biological's Molecular Biology Grade (MBG) water. The final product is filtered through a 0.2µm filter and sterilized.

Applications

EDTA, a metal chelator, is widely used in molecular biology as a chemical reagent to reduce nuclease (e.g., metalloenzymes) activity. Typically EDTA is added to Tris base in order to prepare Tris EDTA (TE), which can be used to reconstitute nucleic acids (e.g., DNA). The following is an example of where EDTA, in conjunction with Tris, may be usefully employed:

- *DNA Applications (e.g., DNA extraction and precipitation)*³

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

EDTA (0.5M), pH 8.0 is routinely tested for the absence of DNase, RNase, and Protease activity.

The test results of individual lots of EDTA (0.5M), pH 8.0 are available on the QBI website.

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

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

1X Tris EDTA, pH 7.4 (1X TE, pH 7.4)

Catalog #	351-010-721EA	100mL
	351-010-721	Pack of 4 x 100mL
	351-010-131	1000mL

1X Tris EDTA, pH 8.0 (1X TE, pH 8.0)

Catalog #	351-011-721EA	100mL
	351-011-721	Pack of 4 x 100mL
	351-011-131	1000mL

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