

	Document ID:	TDS-EDT-002-500ML	Version:	001
	Date of Issue:	10-AUG-2025	Approved by:	Dr. Iman Kamranfar
	Review Date:	10-JAN-2027	Signature:	
	Title:	TECHNICAL DATASHEET		

EDTA, 0.5 M, pH 8.0, Molecular Biology Grade

Chelating agent used in enzyme buffers and at higher concentrations as an enzyme inactivator

Filtration, Treatment	sterile filtered, No DEPC-Treated
Product Code	EDT-002-500ML
Shelf Life	4 years from DOM
Storage Temperature	15°C - 25°C
Shipping Temperature	ambient

QC Specifications

Physical and Chemical Analysis	Method	Specifications	Units
Appearance	Visual	Clear, colourless liquid	n/a
pH at RT	Electronic pH Meter	7.9 – 8.1	n/a
DNase Activity	fluorophore JOE probe/agarose gel electrophoresis	Not detected	n/a
RNase Activity	fluorophore FAM probe/ agarose gel electrophoresis	Not detected	n/a
Protease Activity	FITC-labeled quantification	Not detected	n/a
Sterility			
Aerobic Bacteria	Internally Validated	Not detected	n/a
Anaerobic Bacteria	Internally Validated	Not detected	n/a
Fungi (Yeast & Mold)	Internally Validated	Not detected	n/a
Mycoplasma	qPCR	Not detected	n/a

0.5 M of Ethylenediaminetetraacetic acid disodium salt dihydrate (EDTA disodium salt dihydrate, CAS Nr: 6381-92-6) Ultrapure in ultra-pure water, adjusted to pH 8.0 with NaOH.

Ordering Information

Product Code	Description	Product Information	Storage	Size
EDT-002-100ML	EDTA, 0.5 M, pH 8.0, Molecular Biology Grade	Sterile Filtered	2-25°C	100 ml
EDT-002-1L	EDTA, 0.5 M, pH 8.0, Molecular Biology Grade	Sterile Filtered	2-25°C	1000 ml
EDT-002-50ML	EDTA, 0.5 M, pH 8.0, Molecular Biology Grade	Sterile Filtered	2-25°C	50 ml

This product contains no animal components in the containers or the product itself.

Product Use: This product is intended for laboratory use only.