

Product Specifications



SCIENTIFIC

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EDTA

Product Number

IB70180

IB70182

Size

100gm

500gm

PHYSICAL SPECIFICATIONS

Molecular Formula	$C_{10}H_{14}N_2O_8Na_2 \cdot 2H_2O$
Molecular Weight	372.24
Purity	Min. 99.0%
Insolubles	Max. 0.005%
Heavy Metals	< 0.005%
A ₂₈₀₋₆₀₀ (0.5M, water)	Max. 0.10
DNase assay	None Detected
RNase assay	None Detected
Protease assay	None Detected

STORAGE

Store at room temperature. Protect from moisture.

RECOMMENDED USE

IBI's EDTA is commonly used in biological and electrophoresis buffer systems. Located in the table below are some of the commonly used electrophoresis buffers and their recipe as a concentrated stock.

Buffer	Concentrated Stock Solution (per L)
Tris-acetate (TAE buffer) 50X:	242gm Tris base 57.1ml glacial acetic acid 100ml 0.5M EDTA (pH 8.0)
Tris-borate (TBE buffer) 5X:	54gm Tris base 27.5gm boric acid 20ml 0.5M EDTA (pH 8.0)
Tris-phosphate (TPE buffer) 10X:	108gm Tris base 15.5ml 85% phosphoric acid (1.679g/ml) 40ml 0.5M EDTA (pH 8.0)

CAS NO.

CAS# 6381-92-6

WARNING

Classification: Acute Toxicity (Oral) - 4
Acute Toxicity (Inhalation) - 4
Skin Corrosion/Irritant - 2
Serious Eye Damage/Eye Irritant - 2
Specific target organ toxicity (single expos.) - 3



WARNING!

Hazard Statements: H302-Harmful if swallowed •
H315-Causes skin irritation • H319-Causes serious eye irritation •
H332-Harmful if inhaled

Precautionary Statements: P261-Avoid breathing dust/fume/gas/mist/vapors/spray • P264-Wash face, hands, and any exposed skin thoroughly after handling • P270-Do not eat, drink, or smoke when using this product • P271-Use only outdoors or in well-ventilated area • P280-Wear protective glove/protective clothing/eye protection/face protection • P301+P312-IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell • P302+P352-IF ON SKIN: Wash with plenty of soap and water • P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing • P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing • P312-Call a POISON CENTER or doctor/physician if you feel unwell • P321-Specific treatment (see supplemental first aid instructions on this label) • P330-Rinse mouth • P332+P313-If skin irritation occurs: Get medical advice/attention • P337+P313-If eye irritation persists: Get medical advice/attention • P362-Take off contaminated clothing and wash before reuse • P403+P233-Store in a well-ventilated place. Keep container tightly closed • P405-Store locked up • P501-Dispose of contents/container to an approved disposal plant.

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.