

## Disodium edetate (EDTA-Na<sub>2</sub>)

### Description

The product is the core raw material for nucleic acid extraction after strict screening and quality control. Disodium EDTA is a good coordination agent. It has six coordination atoms and can complex metal ions. Therefore, EDTA is often added to the lysate to complex magnesium and calcium ions, so as to degrade the activity of nuclease and stabilize nucleic acid.

### Ordering Information

CAT.No.	Product Name	Package
C11220	Disodium edetate, EDTA-Na <sub>2</sub> (Molecular Biology)	1KG
C11221		25KG

### Specifications

Product Name		Edetate disodium salt dihydrate, Disodium ethylenediaminetetraacetate dihydrate, EDTA disodium salt, Edathamil, Ethylenediaminetetraacetic acid disodium salt dihydrate, EDTA-Na <sub>2</sub> , Sequestrene Na <sub>2</sub>
Basic content	Recommended application	nucleic acid extraction
	CAS	139-33-3
	Molecular formula	372.24
	molecular weight	C <sub>10</sub> H <sub>18</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>10</sub>
	content	> 99.5%
	level	molecular biology
	appearance	White crystalline powder
	Transportation conditions	normal atmospheric temperature
	Preservation conditions	normal atmospheric temperature
	stability	Unlimited in dry conditions.
Impurity parameters	Heavy metals such as lead	≤0.005%
	iron	≤0.01%
	Water insoluble matter	≤0.005%
	Loss on drying	8.7 - 11.4 %
	Aminotriacetic acid	≤0.1%
UV absorption value	Absorbance value @ 230 (0.5M)	≤20
	Absorbance value @ 260 (0.5M)	≤22
	Absorbance value @ 280 (0.5M)	≤0.5
	Absorbance value @ 320 (0.5M)	≤0.01
Nucleic acid extraction related	DNase test (0.1M)	Not detected
	RNase test (0.1M)	Not detected
	pH (5%)	4.0-6.0