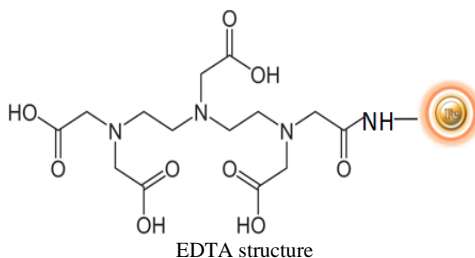




### EDTA Metal Ion Removal Kit

EDTA is an abbreviation for ethylene-diamine-tetraacetic acid. EDTA is a polyprotic acid with four carboxylic acid groups and two amine groups with lone pair electrons. It is frequently used to chelate divalent cations and is widely utilized in biochemistry and molecular biology.

BcMag™ EDTA Metal Ion removal Kit uses magnetic particles coated with high-density EDTA (Ethylene Diamine Triacetic Acid) functional groups on the surface to remove metals. The beads chelate metal ions such as As, Ca, Cu, Gd, La, Ni, Se, Zn, Co, Fe, Mg, Pd, Pt & Rh, etc. The beads are an excellent tool for removing the divalent cations from the buffer.



#### Features and Advantages:

- Quick, Easy, and one-step high-throughput procedure to chelate metal ions. Eliminates columns or filters, and a laborious repeat of pipetting or centrifugation.
- High capacity
- Reproducible results

Product Specificities	
Composition	magnetic beads grafted with EDTA group on the surface
Stability	Short Term (<1 hour): pH 3-11; Long-Term: pH 4-10 Temperature: 4°C -140°C; Most organic solvents
Magnetization	~40-45 EMU/g
Type of Magnetization	Superparamagnetic
Molecular loading	0.75 mmol/g
Concentration	Lyophilized Powder
Best scavenger for	As, Ca, Cu, Gd, La, Ni, Se & Zn
Good scavenger for	Co, Fe, Mg, Pd, Pt & Rh.
Storage	Store at four °C upon receipt.

Products	Catalog # (FQ101)	Catalog # (FQ102)
BcMag™ EDTA Metal Ion removal Kit	150 mg	300 mg

#### Protocol

##### Magnetic Beads Preparation

1. Shake the bottle to resuspend the EDTA beads thoroughly.
2. Transfer the desired amount of magnetic beads to a centrifuge tube.
3. Place the tube on the magnetic separator for 1-3 minutes. Remove the supernatant while the tube remains on the separator. Remove the tube and resuspend the beads thoroughly with dH<sub>2</sub>O. Place the tube on the magnetic separator for 1-3 minutes. Remove the supernatant while the tube remains on the separator.
4. Repeat step 3 once.



5. The beads are ready to use.

Related Products	
Product Name	Product Name
One-Step Lipids Removal Kit	Quick Albumin Removal Kit
One-Step Deproteinizing Kit	Quick HSA and IgG Depletion Kit
One-Step SDS Removal Kit	One-Step Dye Removal Kit
One-Step Detergent Removal Kit	Quick Endotoxin Removal Kit
EDTA Metal Ion removal Kit	Immobilized TCEP Disulfide Reducing Kit
EGTA Metal Ion removal Kit	One-Step PCR Inhibitor Removal Kit
One-Step DNA and RNA Cleanup Kit	One-Step DNA and RNA Removal Kit
One-Step Sequencing Cleanup Kit	One-Step Single-Stranded DNA Removal Kit
One-Step Fluorescent Labeling Cleanup Kit	One-Step RNA Removal Kit
One-Step NGS Cleanup Kit	One-Step PCR Cleanup Kit