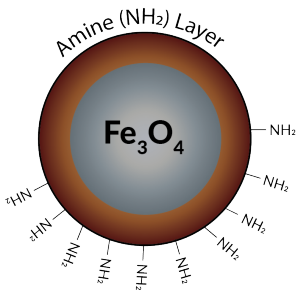
PRODUCT DATA SHEET

Magnetic Beads - Amine Coated



Features

- ***Conjugation ready***: NH_2 groups on the magnetic beads can be reacted with activated carboxyl groups to covalently load proteins, small molecules, or DNA / RNA onto the beads.
- High monodispersity.
- Stable in high salt conditions.
- Fast response to a magnet.

Applications

- Magnetic separation of DNA, RNA, proteins, antibodies, cells and small molecules from complex samples.
- Carboxyl containing proteins, small molecules, DNA / RNA can be covalently attached to the amine groups on the bead surface through EDC/NHS reactions.

Storage and Handling

For long-term storage (>1 month), store the product at 2-8°C. For shorter periods (<1 week) product can be stored at room temperature. **DO NOT FREEZE.** Freezing will cause aggregation of the magnetic beads and loss of binding capacity.

Vortex briefly prior to use to resuspend Magnetic Beads.

Physicochemical properties and Specifications

PARAMETER	VALUE
Diameter:	~ 500 nm
PDI:	0.05 – 0.15
Zeta potential:	21.7 mV
Number of NH2 groups:	~ 10,000 pmol/mg beads
Shelf life:	3 years
Storage buffer:	1X PBS (pH 7.4) with 0.02% sodium azide
Storage conditions:	2-8 °C
Shipping conditions:	Ambient temperature

Ordering Information

Thomas No.:	CHM11N923
Mfr. No.:	MGB-NH2-10-10
Product Description:	Amine-Coated Magnetic Beads
Concentration:	10 mg/ml
Volume:	10 mL