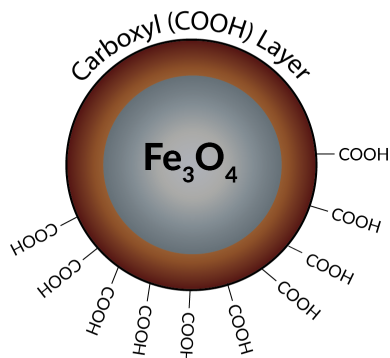


## PRODUCT DATA SHEET

### Magnetic Beads - Carboxyl Coated



#### Features

- **Conjugation ready:** COOH groups on the magnetic beads can be reacted with  $NH_2$  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.
- $NH_2$  containing proteins, small molecules, DNA / RNA can be covalently attached to the carboxyl 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:	-37.8 mV
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

- Order through our website at [www.lunanano.com](http://www.lunanano.com), by calling 1-800-474-4055, or by e-mail at [sales@lunanano.com](mailto:sales@lunanano.com).
- Please contact us for custom quantities, nanoparticle sizes, or surface modifications.
- More information is available at [www.lunanano.com](http://www.lunanano.com)

Catalog Number:	MGB-COOH-10-10
Product Description:	Carboxyl-Coated Magnetic Beads
Concentration:	10 mg/ml
Volume:	10 mL