

Carboxylic acid-Activated Magnetic Beads

MagDx – CAS 1317-61-9

Description

The AQM carboxylic acid-activated magnetic bead features a magnetite core enveloped by a silica coating, functionalized with free carboxylic acid groups. These surface groups allow covalent bonding formation to proteins, peptides, antibodies, and other target-specific molecules through primary amine groups. Additionally, the carboxylic acid-activated magnetic beads are suitable for the separation and isolation of biomolecules, such as DNA,



Features

- Excellent base for conjugation with primary amine-containing biomolecules
- Fast magnetic response
- Excellent colloidal stability
- High binding capacity

Product Specifications

Diameter	~1 μm
Color	Dark brown
Storage buffer	1X PBS (pH 7.4)
Typical concentration	10 mg/mL

Use and handling recommendations

Store at 2~8 °C, do not freeze or dry.

Vortex or sonicate prior to use to resuspend the Carboxylic acid-activated magnetic beads.

[Contact us](#) for purchasing/customization options. AQM can tailor the surface chemistry to provide magnetic beads suitable for specific applications.

Characterization Data

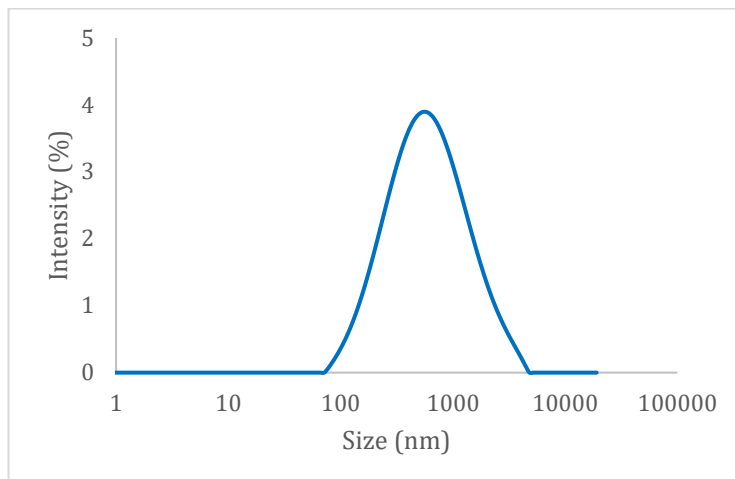


Figure 1. DLS size distribution of AQM Carboxylic acid-activated magnetic beads.

Packaging and Shipping

Product size: 1 mL, 5 mL, and 20 mL solution in glass vials (bulk can be supplied upon request).

Shipping condition: Ambient temperature.