

# Amine-Activated Magnetic Beads

## MagDx - CAS 1317-61-9

### Description

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



### Features

- Excellent base for conjugation with carboxyl, and thiol-containing biomolecules
- Fast magnetic response
- Excellent colloidal stability
- High binding capacity

### Product Specifications

Diameter	~1 $\mu\text{m}$ (DLS size)
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 Amine-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

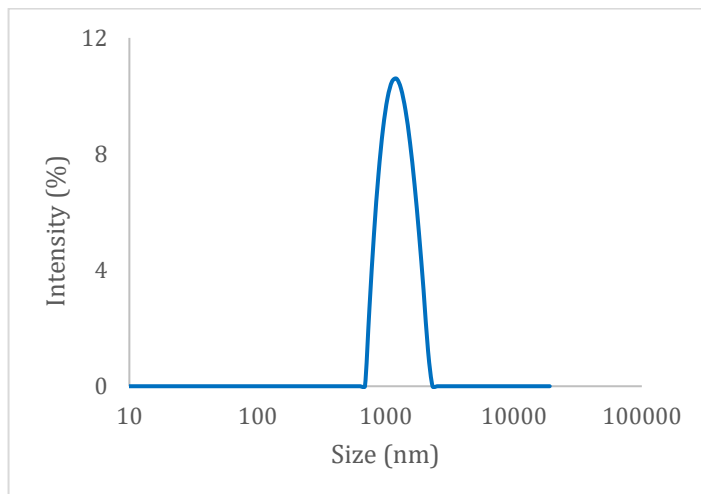


Figure 1. DLS size distribution of AQM Amine-activated magnetic beads in PBS buffer.

## 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.