

SupegMag Amine Magnetic Beads

DESCRIPTION

Ocean NanoTech's SupegMag amine are hydrophilic magnetic beads with amine groups. These surface groups allow covalent bond formation to proteins/peptides via primary amine, carboxy or thiol groups. Oligonucleotides, antibodies, or other ligands with these groups can be easily coupled to the beads. Activation through EDC or Sulfo-SMCC is required. With large surface area, excellent colloidal stability and unique surface coating, the SupegMag amine beads exhibit high binding capacity and low non-specific binding of protein or nucleic acids.



Biocompatible coating

FEATURES

- Extremely slow sedimentation rate.
- Shorter magnetic separation time than beads with the same size from other suppliers.
- Low non-specific binding.
- High Binding Capacity.
- Immediate and gentle coupling at room temperature and neutral to low pH.
- Size offered: 50 nm, 100 nm, 150 nm, and 200 nm.
- Iron oxide content: ~90%.

SPECIFICATION

- **Concentration:** 10 mg/mL
- **Storage buffer:** DI water, 0.05% NaN₃, 0.01% tween 20
- **Size:** 50-200 nm

AVAILABLE PRODUCTS

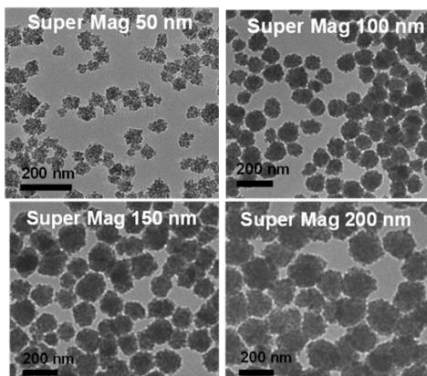
Catalog	Product Description	Size	Unit size
SA0050-02	SupegMag Amine Beads	50 nm	2 mL
SA0050-10	SupegMag Amine Beads	50 nm	10 mL
SA0100-02	SupegMag Amine Beads	100 nm	2 mL
SA0100-10	SupegMag Amine Beads	100 nm	10 mL
SA0150-02	SupegMag Amine Beads	150 nm	2 mL
SA0150-10	SupegMag Amine Beads	150 nm	10 mL
SA0200-02	SupegMag Amine Beads	200 nm	2 mL
SA0200-10	SupegMag Amine Beads	200 nm	10 mL

STORAGE & USAGE

Store at 2-8°C. Freezing of particles may result in irreversible aggregation and loss of binding activity.

Ensure the suspension is well dispersed prior to use, bath sonication is strongly recommended, as particles are expected to settle during storage.

TEM Images of SuperMag Beads



Particle Size Determined by DLS

