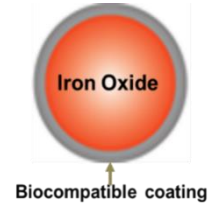


SuperMag Carboxyl Beads

DESCRIPTION

Ocean NanoTech's SuperMag carboxylic acid modified magnetic beads are superparamagnetic beads with a layer of covalently coupled BSA. This layer of covalently coupled BSA makes our magnetic beads an ideal platform for ligand immobilization with significantly low non-specific binding. High density of carboxylic acid groups is derived to maximize the binding capacity of the magnetic beads.



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
- Convenient one-step or two-step coupling
- 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

STORAGE & USAGE

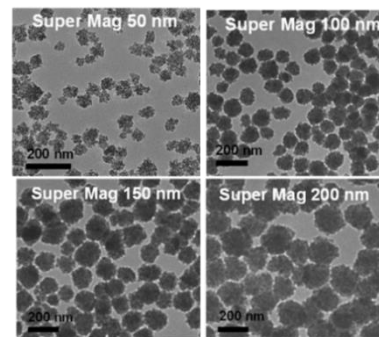
Store at 2-8°C. Freezing of particles may result in irreversible aggregation and loss of binding activity.

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

AVAILABLE PRODUCTS

Catalog	Product Description	Size	Unit size
SC0050-02	SuperMag Carboxyl Beads	50 nm	2 mL
SC0050-10	SuperMag Carboxyl Beads	50 nm	10 mL
SC0100-02	SuperMag Carboxyl Beads	100 nm	2 mL
SC0100-10	SuperMag Carboxyl Beads	100 nm	10 mL
SC0150-02	SuperMag Carboxyl Beads	150 nm	2 mL
SC0150-10	SuperMag Carboxyl Beads	150 nm	10 mL
SC0200-02	SuperMag Carboxyl Beads	200 nm	2 mL
SC0200-10	SuperMag Carboxyl Beads	200 nm	10 mL

TEM Images of SuperMag Beads



Particle Size Determined by DLS

