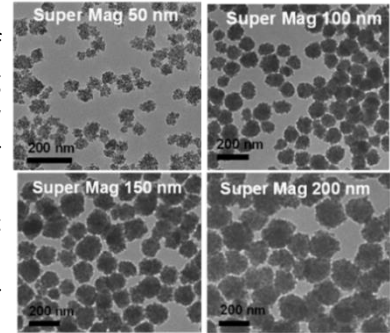


SuperMag NHS Beads

DESCRIPTION

Ocean NanoTech's SuperMag N-Hydroxysuccinimide (NHS) activated magnetic beads are the uniform, superparamagnetic beads with a layer of biocompatible polymer coating. The outer layer of our proprietary coating makes them an ideal platform for ligand immobilization with significantly low non-specific binding. NHS activated magnetic beads are ideal for isolation of small components such as proteins and peptides, immobilization of amine modified labile proteins/peptides, and nucleic acid. Ideal for immunoprecipitation/purification of proteins and protein complexes, coupling functional enzymes to the bead surface for downstream assays, and identifying protein binding partners. Captured proteins and protein complexes are easily separated, washed, and eluted.



TEM Images of SuperMag Beads

FEATURES

- **Extremely slow sedimentation**
- **Ready-to-use:** No more activation step is required.
- **High surface area & high binding capacity:** Unique cauliflower-like surface provides more binding sites available.
- **Low non-specific binding:** stable, pre-blocked beads provide clean purification products without interference from the non-specific binding of complex samples.
- **Fast magnetic separation.**
- **High iron content:** ~80%

SPECIFICATION

- **Form:** lyophilized powder
- **Weight percentage:** 5%
- **Surface group:** NHS Ester
- **Size:** 50-200 nm

STORAGE & USAGE

Store at -20°C. Avoid frequently opening sample, that may result in loss of binding activity.

Ensure the suspension is well dispersed prior to use, bath sonication is strongly recommended.

AVAILABLE PRODUCTS

Catalog	Product Description	Size	Unit size
SN0050-10	SuperMag NHS Beads	50 nm	10 mg
SN0100-10	SuperMag NHS Beads	100 nm	10 mg
SN0150-10	SuperMag NHS Beads	150 nm	10 mg
SN0200-10	SuperMag NHS Beads	200 nm	10 mg

