

## SuperMag Streptavidin Magnetic Beads

### DESCRIPTION

Ocean NanoTech's SuperMag Streptavidin Beads are hydrophilic magnetic beads with a monolayer of streptavidin that is covalently coupled to their surface makes most of the biotin binding sites sterically available for binding of biotinylated nucleic acids, antibodies, or other biotinylated ligands and targets.

### FEATURES

- **High capacity:** >40 µg biotinylated BSA or IgG / mg beads (SV0050).
- **High colloidal stability:** much longer time required to settle than 1 µm beads.
- **Low non-specific binding:** stable, pre-blocked beads provide clean purification products without interference from the non-specific binding of complex samples.
- **Size flexibility:** we offer sizes ranged from 50 nm to 200 nm.
- Shorter magnetic separation time than beads with the same size from other suppliers.

### SPECIFICATION

- **Concentration:** 1 mg/mL
- **Storage buffer:** 10mM PBS, 0.05% NaN<sub>3</sub>, 0.01% tween 20, 0.1% BSA, pH 7.4
- **Size:** 50-200 nm

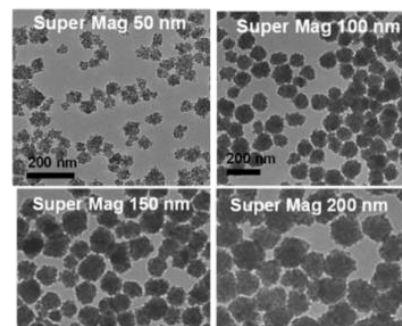
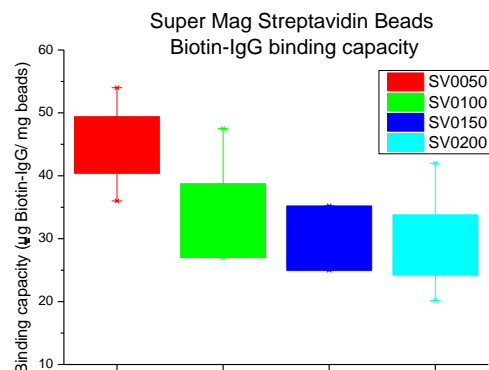
### STORAGE & USAGE

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
SV005-01	SuperMag Streptavidin Beads	50 nm	1 mL
SV0050-05	SuperMag Streptavidin Beads	50 nm	5 mL
SV0100-01	SuperMag Streptavidin Beads	100 nm	1 mL
SV0100-05	SuperMag Streptavidin Beads	100 nm	5 mL
SV0150-01	SuperMag Streptavidin Beads	150 nm	1 mL
SV0150-05	SuperMag Streptavidin Beads	150 nm	5 mL
SV0200-01	SuperMag Streptavidin Beads	200 nm	1 mL
SV0200-05	SuperMag Streptavidin Beads	200 nm	5 mL



TEM Images of SuperMag Beads