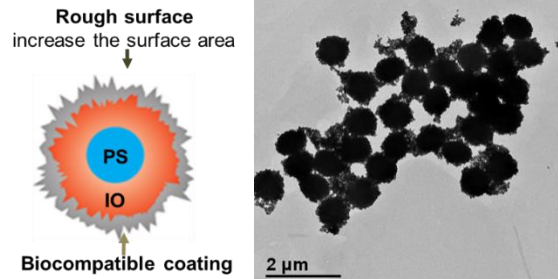


## HiSur Streptavidin Magnetic Beads

### DESCRIPTION

Ocean NanoTech's HiSur Streptavidin Beads (1  $\mu\text{m}$ ) 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. Attribute to their very large surface area and unique surface coating, HiSur Streptavidin Beads (1  $\mu\text{m}$ ) exhibit superior binding capacity and significantly low non-specific binding. HiSur Streptavidin Beads have a very wide variety of applications. The applications include assay development, DNA templates preparation, nucleic acids, protein isolation & cell isolation, large DNA fragments immobilization, sequencing products purification.



### FEATURES

- **High capacity:** >50  $\mu\text{g}$  biotinylated IgG / mg beads.
- **High surface area:** 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.

### 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.

### SPECIFICATION

- **Concentration:** 10mg/mL
- **Storage buffer:** 10mM PBS, 0.05%  $\text{NaN}_3$ , 0.01% tween 20, 0.1% BSA, pH 7.4
- **Size:** 1  $\mu\text{m}$  (nominal)

### AVAILABLE PRODUCTS

Catalog	Product Description	Unit Size
HV1000-002	HiSur Streptavidin Beads	2 mL
HV1000-010	HiSur Streptavidin Beads	10 mL
HV1000-100	HiSur Streptavidin Beads	100 mL

Binding capacity of Hi-Sur Mag Streptavidin Beads from different lots

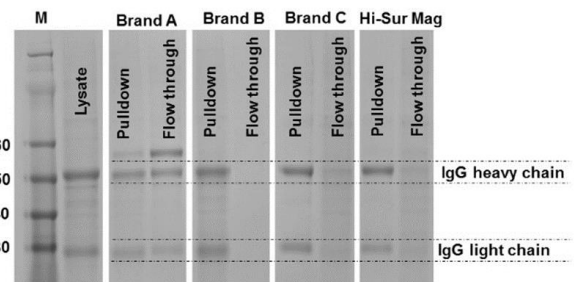
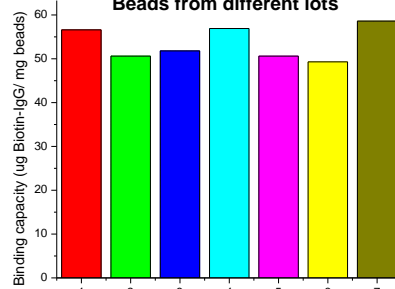


Figure 1. Pull-down of biotinylated IgG spiked in cell lysate with Streptavidin conjugated magnetic Beads.

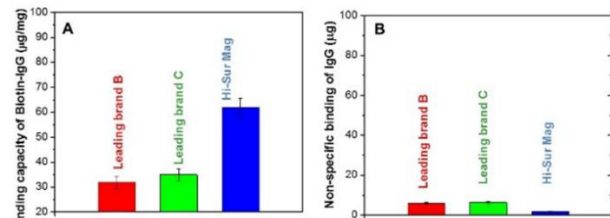


Figure 2. Higher binding capacity and low non-specific binding with Ocean's 1  $\mu\text{m}$  HiSur streptavidin.