

TECHNICAL DATA SHEET

Streptavidin Labeled Agarose Beads

Catalog Numbers: AR-SV-1

Similar products: Avidin agarose beads, neutravidin agarose

Description:

Streptavidin conjugated affinity **agarose beads** from Nanocs were made by covalent attachment of recombinant streptavidin to 4% highly cross-linked agarose beads. Streptavidin is a biotin-binding protein found in the culture broth of the bacterium *Streptomyces avidinii*. **Streptavidin** binds 4 moles of biotin per mole of protein with an extremely high affinity ($K_D \sim 10^{-15}$). Streptavidin lacks carbohydrate side residues present on avidin and has an isoelectric point of 6.5 close to where most useful biological interactions occur. Nanocs streptavidin affinity beads offer high dynamic binding capacity to biotinylated peptides, proteins and antibodies. They can also be used for immunoprecipitation and removing of biotins and biotinylated molecules.

Product Specifications:

- **Bead Matrix:** 4% cross-linked agarose bead.
- **Bead Size:** 50~100 microns.
- **Ligand:** Recombinant **Streptavidin**.
- **Deg. of labeling:** >1 mg **Streptavidin**/mL Agarose beads.
- **Binding Capacity:** >120 nmol D-Biotin/mL Agarose beads.
- **Storage Solution:** De-ionized water containing 20-30% isopropanol.

Handling and Use:

Streptavidin conjugated agarose beads are intended to use for biotinylated molecule immobilization, purification or detection. Buffer solution in this bead can be exchanged either with gravity elution or

centrifugation. All materials should be handled with professional manner.

Storage Conditions:

Streptavidin conjugated agarose beads should be stored at 4-8 °C for best use. **Do not freeze.**

Notes:

Recommended pH: Working: 3-10.

Temperature Stability: 4-40 °C.

This product is for research use only and is not intended for use in humans or for diagnostic use.

To Order:

Order online: www.nanocs.net

Order by Email: sales@nanocs.com

Order by phone: 1(800) 388-4221; 1(888) 908-8803

For more information, visit www.nanocs.net