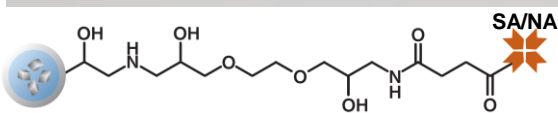


## Streptavidin / NeutrAvidin™ beads



### Features

#### High recovery

(Biotin binding capacity - more than twice the amount of a competitor)

#### High purity

(Extremely low non-specific adsorption)

### Applications

- Immunoprecipitation (IP)
- Chromatin Immunoprecipitation (ChIP)
- Cell separation
- Affinity purification of drug target proteins

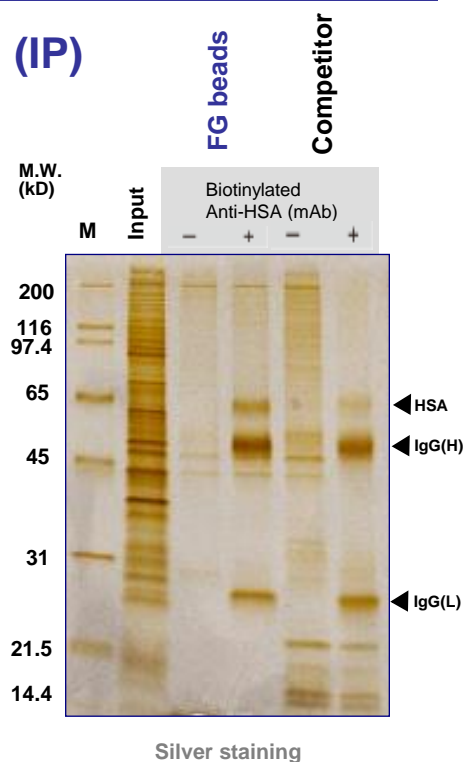
Product name	Product number	Amount
Streptavidin beads	TAS8848N1170	5mg
		10mg
NeutrAvidin™ beads	TAS8848N1171	20mg

### Immunoprecipitation (IP)

We compared the performance of FG beads in an immunoprecipitation experiment with the beads of a competitor.

By using FG beads, antigen HSA was immunoprecipitated with high recovery and extremely low non-specific adsorption.

1. Immobilize biotinylated anti-HSA antibody on Streptavidin beads.
2. Add 1ug of HSA (Human Serum Albumin) into 600ug of HeLa cell extracts (200ul).
3. Add 0.5mg of each beads in the HeLa cell extracts.
4. React for 60 min at 4 °C and separate beads from the HeLa cell extracts.
5. Elute bound IgG and HSA by adding Glycine-HCl.



### Affinity purification of drug target protein

We compared the performance of biotinylated drug MTX (Methotrexate) immobilized FG beads with the beads of a competitor in a target protein purification experiment.

By using FG beads, MTX target protein DHFR was purified with extremely low non-specific adsorption.

1. Immobilize biotinylated MTX on Streptavidin beads.
2. Add 0.5mg of each beads into 600ug of HeLa cell extracts (200ul).
3. React for 120 min at 4 °C and separate beads from the HeLa cell extracts.
4. Elute bound DHFR by adding Elution Buffer.

