

Streptavidin HP SpinTrap



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Enrichment through immobilised biotinylated biomolecules.

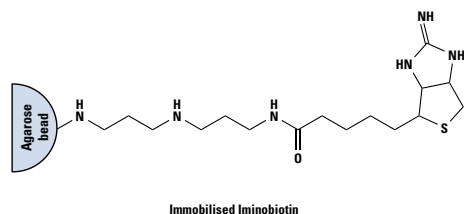
- Elution conditions formatted for both electrophoresis and LC-MS analysis workflows
- Useful for exploiting either the strong interaction of biotin and streptavidin or the somewhat weaker interaction of 2-iminobiotin and streptavidin
- Each column is packed with Streptavidin Sepharose High Performance for reproducibility and high performance
- Easy scale-up with HiTrap Streptavidin HP pre-packed columns

Streptavidin HP SpinTrap can be used for protein enrichment, where a biotinylated antibody (or similar affinity molecule) is attached to the streptavidin and the protein of interest is enriched through the affinity interaction with the antibody. The columns can also be used for the direct enrichment of proteins that are biotinylated. By binding a specific biotinylated protein into the column, protein:protein interactions can also be investigated.

Technical Specification - Specific

Ligand	Streptavidin
Matrix	Highly crosslinked agarose 6%
Medium	Streptavidin Sepharose High Performance
Particle size, μm	34 (average)
Binding capacity	>300nmol biotin/mL medium, 6mg biotinylated BSA/mL medium
Stability	pH4 to pH9 (long term), pH2 to pH10.5 (short term)
Volume, μL	100 (medium), 600 (sample loading, max.)
Material	Polypropylene barrel and polyethylene frits
Storage	20% ethanol
Temperature, storage, $^{\circ}\text{C}$	4 to 30

Catalogue No	Alt. No	Description	Quantity
GZ28903130	28-9031-30	Streptavidin HP SpinTrap	16 columns



Immobilised iminobiotin and biotin, Thermo Scientific Pierce

Thermo
SCIENTIFIC

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Thermo Scientific iminobiotin offers mild dissociation conditions at pH4.

Iminobiotin is the guanido analogue of biotin. The dissociation constant of the avidin-iminobiotin complex is pH dependent. At pH9.5 to pH11.0, the avidin-iminobiotin complex will bind tightly. At pH4, the avidin-iminobiotin complex will dissociate. Because denaturing agents such as 8M guanidine-HCl or 4M urea are not used in the purification, an avidin conjugate has a better chance of maintaining its activity during purification.

Use immobilised D-Biotin as an "irreversible linkage" to bind streptavidin conjugates. The biotin-streptavidin interaction can withstand extremes in pH, salt and detergents.

Catalogue No	Description	Quantity
PN20221	Iminobiotin agarose resin Support: crosslinked 6% beaded agarose Spacer: diaminodipropylamine Capacity: $\geq 1\text{mg}$ of avidin/mL resin	5mL
PN20218	Biotin agarose resin Support: Pierce CDI support Spacer: diaminodipropylamine Capacity: $\geq 2\text{mg}$ of avidin/mL resin	5mL