

STREPTAVIDIN HB COATED 12x75 mm TUBES

HB streptavidin coated 12x75 mm tube is a powerful and universal instrument for binding any biotinylated molecule (Proteins-Peptides-Polysaccharides-Oligonucleotides-DNA fragments-etc.).

Biotin is a small molecule which can be conjugated to many proteins without losing or altering their activity, each protein can bind many biotin molecules.

Since each subunit of streptavidin binds one molecule of biotin, the resulting effect is a great increase of the sensitivity of the assay.

Unlike the normal Streptavidin coated, these 12x75 mm tubes are particularly useful in competitive tests to measure biotinylated low molecular weight molecules.

Product specifications

Coating

Streptavidin HB is coated using 500 µl/tube. The tubes 12x75 are post-coated (blocked) for low non specific binding and long-term stability.

Uniformity

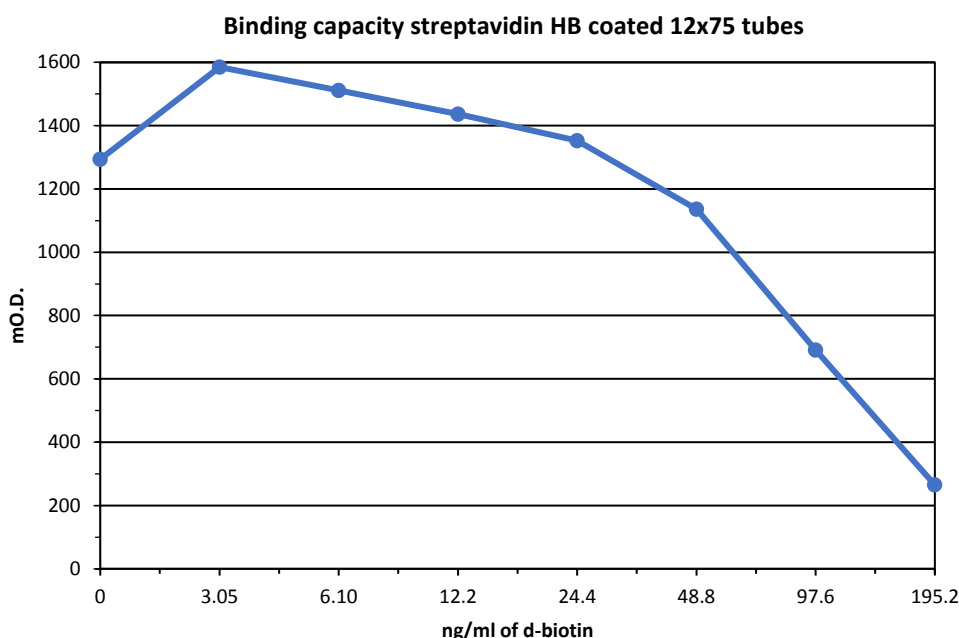
Streptavidin HB 12x75 mm tubes show a CV% less than 5 when used as a catcher of biotin-HRP as detector in an ELISA format using TMB as substrate.

Storage and Stability

The Streptavidin HB 12x75 mm tubes, if unopened, are stable at 2-8°C until the expiration date printed on the label. If opened, store in closed pouch with desiccant and use within the expiration date.

Binding capacity streptavidin HB coated 12x75 tubes

Streptavidin HB coated tubes 12x75 mm were incubated with biotin solutions (from 0 to 195.2 ng/ml) containing 4 ng/ml of biotinylated peroxidase for 30' R.T. After the washing step, the streptavidin HB tubes 12x75 were incubated with TMB and blocked with sulphuric acid 1N. The O.D. values were read at 450 nm.



The Biomat Streptavidin 12x75 mm tubes show a nominal **binding capacity of > 400 pmol d-biotin/tube**

uniformity	CV% < 5
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