

STREPTAVIDIN COATED PCR 8 STRIP TUBES HIGH BINDING CAPACITY

Streptavidin HB PCR 8 strip tubes are 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 PCR 8 strip tubes, these PCR strip tubes are particularly useful in competitive tests to measure biotinylated low molecular weight molecules.

Product specifications

Coating

Streptavidin HB is coated using 100 µl/tube. The PCR 8 strip tubes are post-coated (blocked) for low non specific binding and long-term stability.

Uniformity

Streptavidin HB PCR 8 strip 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 PCR 8 strip tubes, under the indicated storage conditions 2-8 °C, are stable until the expiration date printed on the label.

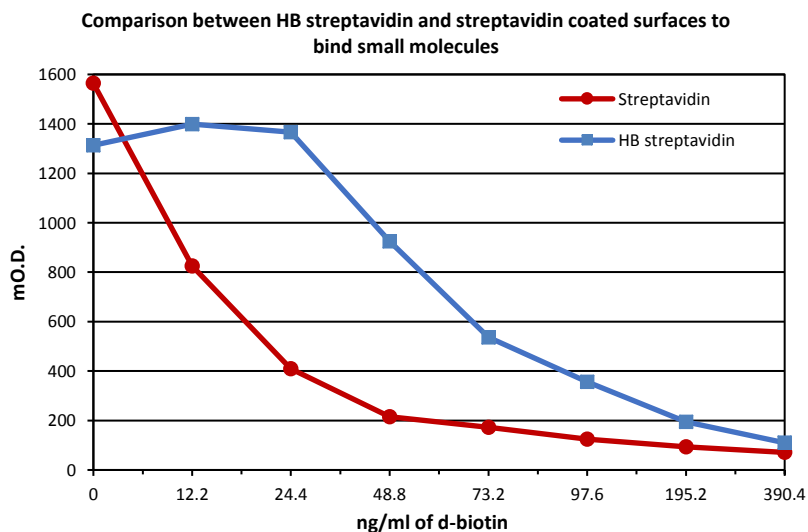
If opened, store in closed pouch with desiccant and use within the expiration date.

TECHNICAL NOTE N. 33

1. Comparison between HB streptavidin and streptavidin coated surfaces to bind small molecules (biotin, MW= 244 Da)

Streptavidin HB and streptavidin coated PCR 8 strip tubes were incubated with biotin solutions (from 0 to 390.4 ng/ml) containing 1.3 ng/ml of biotinylated peroxidase for 30' R.T.

After a washing step, the wells were incubated with TMB and blocked with sulphuric acid 1N. The O.D. values were read at 450 nm.



The Biomat HB Streptavidin PCR 8 tubes strips show a nominal **binding capacity of > 20 pmol d-biotin/tube**

uniformity	CV% < 5
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