

POLYSTREPTAVIDIN (200 AND 350)

Formulation Turbid Solution in 0.05M phosphate buffered saline containing 0.05% NaN₃, pH 7.4 at a concentration between 1-5 mg/ml ready for coating

Characteristics A chemically modified polymer made from recombinant streptavidin with an exceptional capacity for biotin binding.

Application Coating reagent in solution to improve sensitivity in lateral flow tests on nitrocellulose membranes, microplates and other surfaces; improving the signal to noise ratio and saving material costs, with excellent biotin binding capacity.

Benefits Polystreptavidin 200/350 is an artificially modified polymerised Streptavidin characterised by an extraordinary high biotin binding capacity. Coatings made of Polystreptavidin 200/350 combine the excellent binding capacity with a high chemo and thermostability. It is suitable for coating membranes, beads, biochips, plastics etc.

WHY BBI POLYSTREPTAVIDIN?

- + High biotin binding capacity in low concentrations
- + High affinity & high signal to noise ratio
- + No washing or blocking steps required
- + High homogeneity and generous shelf life
- + High thermo and chemical stability

Order your evaluation sample today www.bbisolutions.com

Biotin Binding Test Method

This test method was developed to measure the biotin binding capacity to a solid phase and has been designed to work on a 96 well plate format. The test is conducted by using a competition reaction between biotin and biotin-HRP. The biotin binding capacity is measured using a high binding polystyrene microplate coated with 20µg/ml Polystreptavidin. The biotin-HRP will be competitively replaced by biotin which is applied at sequential dilutions. Residual biotin-HRP is measured by colorimetric spectrometry with the HRP-reaction with TMB (evaluation of 50% biotin concentration intercept).

Recommended Use Method

- + Working range 5 µg/ml to 3000 µg/ml (recommended 1-3 µg/ml for lateral flow)
- + Pre-coating layer is recommended, dry overnight to bind to surfaces
- + No washing or blocking required

Pack sizes

1mg, bulk amounts available on request.

ORDERING DETAILS - USE THE FOLLOWING CODES WHEN ORDERING

Product	Code	Description
Polystreptavidin 350	FG-01051059L	Molecular mass >2,000 – 20,000 kDa Biotin Binding 50% intercept >350 pmol/ml
Polystreptavidin 200	FG-01041470Z	Molecular mass >100 – 1,000 kDa Biotin Binding 50% intercept >200-350 pmol/ml

Order a sample today sales@bbisolutions.com
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