



Diagnopal Dynabioassay Products LTD

96 well Streptavidin Coated Plates

Products No: DPSCPC, DPSCP B, DPSCPM

Introduction:

Streptavidin (MW ~55,000 Daltons) is a tetrameric protein isolated from *Streptomyces avidinii*, which specifically binds biotin (244 Daltons). The binding between streptavidin and biotin is one of the strongest non-covalent bindings known at (Kd) of ~10-14 mol/L (biotin-streptavidin complex). Unlike avidin, streptavidin is non-glycosylated, and is mildly acidic (pI~5.5), whereas avidin is basic (pI~10.5).

Streptavidin DPSCPC, DPSCP B, DPSCPM Coated Plates are 96 well polystyrene plates, and their Streptavidin coated surface is suitable to bind any biotinylated molecule so that these microplates are recommended for ELISA and other immunoassays. Streptavidin is the most popular and widely available biotin-binding protein for research and diagnostic methods. Each subunit of Streptavidin binds one molecule of biotin giving at Streptavidin Coated Plates a greater assay sensitivity. This product is intended for Further Production and Research use only.

The surface of Streptavidin Coated Plates offers a powerful and universal instrument for binding any biotinylated molecule (Antibodies – Antigens – Proteins – Peptides – Polysaccharides – Oligonucleotides – DNA fragments etc.) finding a special application for those molecules which do not offer reliable bonding by passive adsorption or adsorb in an unfavorable orientation.

Diagnopal Streptavidin Coated 96-Well Plates are made are Transparent, White and Black Polystyrene and can be used for quantitative and qualitative immunoassay like ELISA, Chemiluminescent (CLIA), Luminescence (LIA) and Fluorescence (FIA) assays, that is suited for your research and production needs.

Streptavidin- Biotin Immunoassay methods ensure better assays results and significantly solve most Hook- Effect problems in abnormal high concentrated samples for Sandwich Immunoassay methods. Streptavidin Coated Microplates are pre-blocked/Stabilized to minimize any non-specific binding and to ensure long-term stability. The stability of these coated plates is at least 24 months and up to 30 months when it is kept in its closed bags at 2-8C.

Intended use:

For Further Production and Research use only.

Expiry Date:

For expiration date, please see expiration date on batch release certificate or its label.

Protocol:

According to customer Sops or Protocols.

Note: For more information or getting further technical assistance regarding Streptavidin Coated plates and troubleshooting contact us.