



PRODUCT INFORMATION

Streptavidin – 5 mg

PRODUCT CODE: X-PRO-0001-5MG

STORAGE: 2 - 8 °C

PRODUCT DESCRIPTION

Streptavidin binds to biotin with high affinity. The streptavidin-biotin bond is one of the strongest non-covalent interaction in nature, making it extraordinarily robust. For convenient amino-based conjugation, the product is free from amino-based buffers. Streptavidin is useful as reagent for coating or detecting biotinylated molecules in ELISA and immunoblotting procedures.

PRECAUTIONS AND DISCLAIMER

This product is for LABORATORY RESEARCH USE ONLY, not for diagnostic, therapeutic, drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

FORMULATION

For shipping at ambient temperature Streptavidin is dried with a HEPES, NaCl, and sucrose buffer base.

PREPARATION AND HANDLING

The product should be reconstituted with 100 µl water yielding a concentration of 10 mg/ml. The reconstituted stock solution can be frozen in aliquots for later usage. Stock solutions can be diluted in appropriate buffers.

STORAGE / STABILITY

For long term storage the dry-stabilized Streptavidin should be stored between 2 °C and 8 °C. Reconstituted stock solutions can be stored at 2 - 8 °C for up to 2 weeks. For long term storage, stock solutions can be frozen in working aliquots. Repeated freeze-thaw cycles should be avoided.

RECONSTITUTION AND CONCENTRATION

10 mg/ml after reconstitution with 100 µl H₂O

RECOMMENDED DILUTION

For protein conjugation a final concentration of 2 to 10 mg/ml is recommended. For direct microplate coating a final concentration of 0.5 to 5 µg/ml is recommended. For optimal performance the reagent should be titrated for each application.

RECOMMENDED RETEST DATE

07/2021

BACKGROUND REFERENCES

1. Wong, J., et al., Direct force measurements of the streptavidin –biotin interaction, Biomolecular Engineering, 16, 45-55 (1999).



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