

Streptavidin-HRP reagent

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Streptavidin-HRP reagent	DS0233-0.25ML	0.25 ml
	DS0233-0.5ML	0.5 ml

Introduction:

Streptavidin is a tetrameric protein purified from *Streptomyces* sp. that binds very tightly to the vitamin biotin with a K_d of ~ 10-14 mol/l. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits. Horseradish peroxidase is conjugated to the streptavidin tetramer at ~1:1 molar ratio.

Description:

Streptavidin-HRP conjugate consists of streptavidin protein that is covalently conjugated to horseradish peroxidase (HRP) enzyme (RZ > 3.0). Streptavidin binds to biotin and the conjugated HRP provides enzyme activity for detection using an appropriate substrate system. This particular product has been used primarily in sandwich ELISA applications to provide consistent measurement of biotinylated detection antibodies. The product is in PBS containing BSA, glycerol and 0.1% proclin as preservative.

Concentration:

The protein concentration of peroxidase conjugated avidin is 2.5 mg/ml.

Application:

HiMedia's Streptavidin-HRP reagent is suitable for ELISA, Western Blotting, Immunocytochemistry and Immunohistochemistry experiments. For ELISA procedures, Streptavidin-HRP reagent has to be used with biotin-labeled detection antibodies. Recommended dilution range is from 1:4,000 to 1:20,000. The optimal dilution must be determined empirically for each specific application. Prepare dilutions immediately prior to use.

Storage conditions:

Streptavidin-HRP reagent has to be stored at 2-8°C. Under recommended condition, the reagent is stable for 12 months.

Please refer disclaimer Overleaf.

Warning and Precautions

Not for Medicinal Use. Read the SDS carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

Limitations

The data obtained in ELISA assay depends upon the type of analyte under study.

Performance and Evaluation

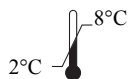
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The Streptavidin-HRP reagent is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

Technical Assistance

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at mb@himedialabs.com.



Storage temperature



Do not use if package is damaged



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DS0233-02

Disclaimer :

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