



Streptavidin R-Phycoerythrin Conjugate

864-0005 Streptavidin-PE 0.5ml (streptavidin content 1mg/ml)

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Introduction

Streptavidin is a tetrameric protein purified from *Streptomyces avidinii* that binds very tightly to the vitamin biotin. R-Phycoerythrin conjugated streptavidin is typically used for the detection of biotin conjugated proteins in immunoassays.

Streptavidin-PE is prepared by conjugating purified streptavidin to highly active phycoerythrin. The conjugate has been optimized for enhanced performance using Innova's Lightning-Link conjugation technology¹.

Storage of streptavidin-PE

The conjugate is shipped at ambient temperature in a glycerol-based formulation and can be stored at 4°C, or at -20°C without freezing.

Diluents

The conjugate may be diluted in any of the buffers commonly used in immunochemical procedures, typically either TBS or PBS pH 7.4 with 0.1% BSA. Tween 20 (0.05%) is sometimes used instead of BSA, or in addition to BSA. In most cases excellent results will be obtained with a simple buffer plus BSA combination.

Notes

1. Lightning-LinkTM is a proprietary conjugation system that permits a level of optimization of secondary reagents that is not feasible using standard conjugation methods.

FAQ

What dilution should I use?

For any application try serial dilutions of conjugate and use the dilution that gives the highest signal to noise ratio with your preferred substrate.

Related Products

#704– 0010

LL Biotin Type A Conjugation kit 3 x 100mg

#704 – 0015

LL Biotin Type A Conjugation kit 1 x 1mg

#715 – 0010

LL Biotin Type B Conjugation Kit 3 x 100mg

#715 – 0015

LL Biotin Type B Conjugation kit 1 x 1mg

For further information and related detection reagents see www.innovabiosciences.com