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Product Information

EXTRAVIDIN®-R-PHYCOERYTHRIN CONJUGATE

Product Number **E 4011**

Product Description

ExtrAvidin is a modified form of chicken egg white avidin. It is a tetrameric protein containing four high affinity binding sites for biotin. ExtrAvidin combines the high specific activity of avidin with the low background staining of streptavidin, a biotin binding protein produced by the bacteria *Streptomyces avidinii*. ExtrAvidin has been conjugated to R-Phycoerythrin (PE) and purified by gel filtration to remove free ExtrAvidin .

By immunoelectrophoresis (IEP) the product reacts with rabbit anti-avidin.

ExtrAvidin-PE may be used in fluorescent biotin-avidin techniques such as flow cytometric analysis, immunocytology and immunohistochemistry. It provides a convenient, yet highly sensitive and very specific, detection system.

Molar Ratio: 1.0-4.0

Reagents

The product is provided as a liquid in 0.01 M phosphate buffered saline, pH 7.4, containing 1% BSA and 15 mM sodium azide as a preservative.

Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Product Profile

Flow Cytometry

Incubation of human peripheral blood lymphocytes with biotinylated antibody, followed by incubation with A predetermined working dilution of ExtrAvidin-PE per 1×10^6 cells.

In order to obtain best results, it is recommended that each individual user determine their optimum working dilution by titration assays.

Storage/Stability

Store at 2-8 °C. Protect from prolonged exposure to light.

U.S. Patent No. 4,859,582.

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