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TECHNICAL DATA SHEET 551

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BioMag[®] Streptavidin

Catalog Number: 84660

DESCRIPTION

BioMag[®] Streptavidin is a suspension of BioMag[®] particles approximately 1.5 μ m in size to which streptavidin is covalently attached to the surface. The suspension is supplied in a phosphate buffered saline (pH 7.5) containing 0.1% BSA with EDTA and sodium azide added. After shaking vigorously or vortexing, BioMag[®] Streptavidin particles are ready to use.

CHARACTERISTICS

Mean Diameter: ~1.5 μ m
Particle Concentration: 5 mg/ml
Binding Capacity: 1mg (200 μ l) of BioMag[®] Streptavidin particles will bind 2 μ g of biotin

PROCEDURE

Researchers are advised to optimize the use of BioMag[®] in any application as procedures designed by other manufacturers may not be ideal.

BioMag[®] Streptavidin particles may be used in enzyme immunoassays utilizing a biotinylated enzyme, in cell sorting, in DNA probe assays, or to quickly and conveniently separate a biotinylated component or complex from solution. (For additional information on the use of this product in cell separation, please see Technical Data Sheet 528, *BioMag[®] and Cell Sorting*.) Separation may be accomplished magnetically.

STORAGE AND SAFETY

Storage Store at 4°C. Freezing, drying, or centrifuging BioMag[®] may result in irreversible aggregation and loss of binding activity.

Safety This particle suspension contains sodium azide. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Upon disposal of material, flush with a large volume of water to prevent azide accumulation. Please consult the Safety Data Sheet for more information.

This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.

ORDERING INFORMATION

| Cat. # | Description | Size |
|----------|----------------------------------|------|
| 84660-5 | BioMag [®] Streptavidin | 5ml |
| 84660-50 | BioMag [®] Streptavidin | 50ml |

TO ORDER

In The U.S. Call: 1(800) 523-2575 • (215) 343-6484

In The U.S. Fax: 1(800) 343-3291 • (215) 343-0214

In Germany Call: +(49) 06201-845200

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