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## B E A D S ● A B O V E T H E R E S T <sup>™</sup>

### DESCRIPTION

BioMag<sup>®</sup> Streptavidin is a suspension of BioMag<sup>®</sup> particles approximately 1.5µm 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<sup>®</sup> Streptavidin particles are ready to use.

### CHARACTERISTICS

Mean Diameter: ~1.5µm  
Particle Concentration: 5 mg/mL  
Binding Capacity: 1mg (200µL) of BioMag<sup>®</sup> Streptavidin particles will bind 2µg of biotin

### PROCEDURE

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

BioMag<sup>®</sup> 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 Product Data Sheet 528, *BioMag<sup>®</sup> and Cell Sorting.*) Separation may be accomplished magnetically.

### STORAGE AND STABILITY

Store at 2-8°C. Freezing, drying, or centrifuging BioMag<sup>®</sup> may result in irreversible aggregation and loss of binding activity. Centrifugation may be used only if it is the last step in a procedure such that resuspension of BioMag<sup>®</sup> is not required.

### 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 Material 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. Code	Description	Sizes
BM551	BioMag <sup>®</sup> Streptavidin	5mL or 50mL

Order online anytime at [www.bangslabs.com](http://www.bangslabs.com).