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B E A D S • A B O V E T H E R E S T™

Description

BioMag Biotin is a suspension of BioMag particles approximately 1.5µm in size that are covalently coated with biotin. 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 Biotin is ready to use.

Characteristics

Mean Diameter: ~1.5µm
Particle Concentration: 5 mg/mL
Binding Capacity: 1mL (5mg) of BioMag Biotin particles will bind > 3µg of avidin.

Procedure

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

BioMag Biotin is ideal for use in radioimmunoassays, enzyme immunoassays, and cell sorting. In general, BioMag Biotin may be used to quickly and conveniently separate an avidin-labeled component, complex, or cell from solution. (For additional information on the use of this product in cell separation, please see Product Data Sheet 528, *BioMag and Cell Sorting*.) Separation may be accomplished magnetically.

This product has not been optimized for use with nucleic acids. Depending on the application, it may be necessary to wash and resuspend this product in a buffer containing heparin or SDS to minimize nonspecific binding. This product is not supplied RNase-free.

Storage and Stability

Store at 2-8°C. Freezing, drying, or centrifuging BioMag 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 the BioMag 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

Catalog Code	Description	Size
BM552	BioMag® Biotin	5mL

Order online anytime at www.bangslabs.com.