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## B E A D S ● A B O V E T H E R E S T™

### Description

BioMag Dextran-coated Charcoal is a suspension of BioMag particles 1-10µm in size that are covalently attached to Norit® and dextran. The suspension is supplied in distilled water with 0.1% sodium azide added as a preservative. After shaking vigorously or vortexing, BioMag Dextran-coated Charcoal is ready to use.

### Characteristics

Mean Diameter: ~10µm  
 Particle Concentration: 5mg/mL  
 Binding Capacity: 750µL (3.75mg) of BioMag Dextran-coated Charcoal per assay tube is sufficient to adsorb free tritium labeled analyte in a typical competitive radioimmunoassay

### Procedure

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

BioMag Dextran-coated Charcoal can be used in tritiated radioimmunoassays to simplify charcoal separations. The separation of antibody-bound analyte from free analyte is accomplished by BioMag Dextran-coated Charcoal, which adsorbs free labeled and unlabeled analyte. Assay tubes are placed in a magnetic separation unit which pulls BioMag Dextran-coated Charcoal containing the free labeled and unlabeled analyte to the bottom or side of the test tubes, leaving the antibody-bound analyte in the supernatant. The entire separation unit is inverted to decant test tubes into scintillation vials to quantify antibody-bound analytes. However, should centrifugation be desirable, tubes may be centrifuged without altering results.

### 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
BM555	BioMag® Dextran-coated Charcoal	100mL

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