

BioMag® and BioMag®Plus Systems

Coupling and Isolation Kits



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BioMag® and BioMag®Plus Systems for ligand coupling or isolation of target.

Description

BioMag® and BioMag®Plus are high performance superparamagnetic microparticles widely used for the efficient separation of cells and purification of biomolecules. Their irregular shape provides much greater surface area than similarly-sized spherical particles, resulting in high binding capabilities and efficient capture of target with conservative use of particles. The high iron oxide content allows for rapid and efficient magnetic separations, even from difficult, e.g. highly viscous, samples.

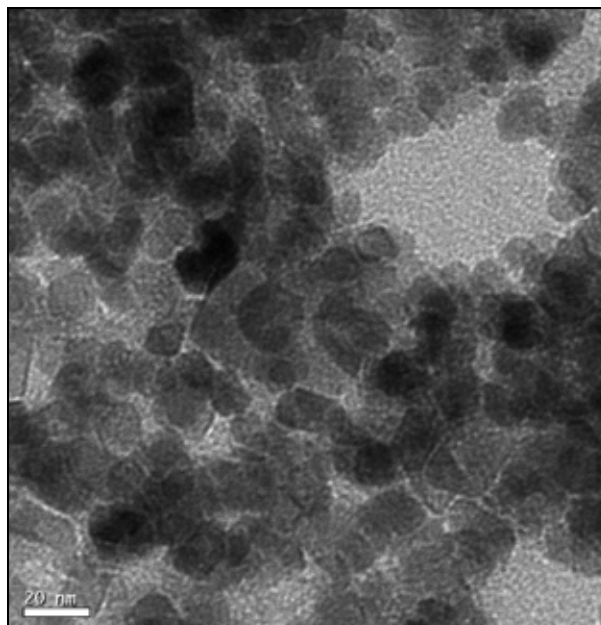


Figure 1: Image of BioMag® magnetic microparticles.

PRODUCT OPTIONS

To address the needs of different applications, we offer two different BioMag particle types in our various systems: BioMag® and BioMag®Plus. Both BioMag and BioMagPlus are $\sim 1.5\mu\text{m}$ in diameter, with BioMagPlus undergoing additional processing for reduction of fines. We offer carboxyl and amine versions, in addition to oligo(dT) and a variety of primary and secondary antibody and other affinity coatings.

Many of our BioMag products have been designed as systems for those investigators who are new to using magnetic microspheres, or simply desire convenience.

BioMag® Magnetic Immobilization Kit

The BioMag Magnetic Immobilization Kit is designed to introduce the user to the ease of magnetizing biological molecules. The kit includes BioMag Amine particles, glutaraldehyde (the reagent used to couple proteins to the BioMag particles), a BioMag Flask Separator, and a Reaction Flask.

BioMag®Plus Protein Coupling Kits

The BioMag Protein Coupling Kits are for covalently coupling proteins to BioMagPlus superparamagnetic particles. The Protein Coupling Kits feature either BioMagPlus Amine or BioMagPlus Carboxyl particles, a chemical crosslinker (glutaraldehyde or EDAC), conical centrifuge tubes, two wash buffers, the quenching solution, and a BioMag MultiSep Magnetic Separator. The contents of each kit are sufficient for five coupling reactions.

BioMag® mRNA Purification System

The BioMag mRNA Purification System offers a rapid, low-cost method for isolating mRNA using BioMag superparamagnetic particles coated with Oligo dT(20). The kit is supplied with all the necessary reagents and provides for 20 isolations from total RNA or 10 isolations from tissue or cell lysates.

BioMag®Plus Streptavidin/Biotin Binding Kit

The BioMagPlus Streptavidin/Biotin Binding Kit is suitable for the attachment of biotinylated proteins to BioMagPlus superparamagnetic particles. The kit contains BioMagPlus Streptavidin particles, as well as the coupling/wash buffer, conical centrifuge tubes, and BioMag MultiSep Magnetic Separator. Each kit is sufficient for five coupling reactions.

BioMag® Protein Isolation and Removal Kits

With their tremendous surface area, BioMag particles are ideal for purifications. Our antibody isolation kits provide a means for the efficient isolation of antibody from serum or cell culture supernatant, and our protein removal kits permit the depletion of ubiquitous proteins such as albumin and immunoglobulin from serum for a significant improvement in the resolution of less abundant proteins.

The contents of the BioMagPlus Antibody Isolation Kits include either BioMagPlus Protein A or Protein G Particles, as well as the Binding/Wash Buffer, Elution Buffer, Neutralization Buffer, microcentrifuge tubes, and a BioMag SoloSep Magnetic Separator.

The contents of the protein removal kits include either the BioMag ProMax Albumin or Serum IgG Removal particles, the Binding/Wash Buffer, and the Elution Buffer.

BioMag®Plus Secondary Antibody Coupling Kit

BioMag secondary antibody particles are used extensively in the capture of immune complexes for immunoprecipitation and antibody-labeled cells for indirect cell separation. The contents of the BioMagPlus Goat anti-Mouse Antibody Coupling Kit include BioMagPlus Goat anti-Mouse IgG particles, as well as the Coupling/Wash Buffer, conical centrifuge tubes, and a BioMag MultiSep Magnetic Separator. The kit is sufficient for five coupling reactions.

With such an extensive range of BioMag and BioMagPlus systems, we're sure to have a suitable solution for your application.

BIOMAG® AND BIOMAG®PLUS SYSTEMS

Cat. # Product Description

BM545	BioMag® Magnetic Immobilization Kit
BP610	BioMag®Plus Amine Protein Coupling Kit
BP611	BioMag®Plus Carboxyl Protein Coupling Kit
BM569	BioMag® mRNA Purification System
BP621	BioMag®Plus Streptavidin / Biotin Binding Kit
BP614	BioMag®Plus Protein A Antibody Isolation Kit
BP626	BioMag®Plus Protein G Antibody Isolation Kit
BP658	BioMag® ProMax Albumin Removal Kit
BP659	BioMag® ProMax Serum IgG Removal Kit
BP612	BioMag®Plus Goat anti-Mouse Antibody Coupling Kit



Bangs Laboratories supplies a large variety of uniform polymeric and silica microsphere products setting the standards for diagnostic, research, and flow cytometry applications. No matter the project, we have a product that serves or we'll work to custom-design a solution to fit. And that's not the half of it.

We also stand behind our products. Regardless of the size of your question or the size of your company, we offer tech support, absolutely free.

Sound interesting? Give us a call.



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