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BioMag® Superparamagnetic Iron Oxide

Catalog Number: 84200

DESCRIPTION

BioMag® Superparamagnetic Iron Oxide is a suspension of iron oxide magnetic particles approximately 10µm in size. The suspension is supplied in distilled water. After shaking vigorously or vortexing, BioMag® Superparamagnetic Iron Oxide is ready to use.

CHARACTERISTICS

Mean Diameter:	~10µm
Particle Concentration:	50 mg/ml
Magnetization:	25-35 EMU/gram (EMU=electromagnetic units) measured at a field of 1000 gauss.
Type of Magnetization:	Superparamagnetic, i.e., no magnetic memory.

PROCEDURE

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

BioMag® Superparamagnetic Iron Oxide may be used in applications in which an iron oxide particle is required. Since this particle is only iron and oxygen in a crystalline lattice and has not been functionalized, researchers are referred to BioMag® Amine (Cat. #84100) or and BioMag® Carboxyl (Cat. #84125) for applications involving the attachment of various ligands to a magnetic particle.

STORAGE AND SAFETY

Storage Store at 4°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 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 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
84200-10	BioMag® Superparamagnetic Iron Oxide	10ml

RELATED PRODUCTS

Cat. #	Description	Size
84100-10	BioMag® Amine	10ml
84100-100	BioMag® Amine	100ml
84125-10	BioMag® Carboxyl	10ml
84125-100	BioMag® Carboxyl	100ml

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
In Germany Fax:	+(49) 06201-8452020
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