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B E A D S ● A B O V E T H E R E S T™

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: 50mg/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 the amine terminated BioMag particle (Catalog Code BM546) or carboxyl terminated BioMag particle (Catalog Code BM570) for applications involving the attachment of various ligands to a magnetic particle.

Storage and Stability

Store at 2-8°C. Freezing, drying or centrifuging BioMag may result in irreversible aggregation and loss of binding activity.

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
BM547	BioMag® Superparamagnetic Iron Oxide	10mL

Related Products

Catalog Code	Description	Sizes
BM546	BioMag® Amine	10mL or 100mL
BM570	BioMag® Carboxyl	10mL or 100mL

Order online anytime at www.bangslabs.com.