

TECHNICAL DATA SHEET 547

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BioMag® Superparamagnetic Iron Oxide

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, BioMag Superparamagnetic Iron Oxide is ready to use.

Characteristics

Mean Diameter: ~10µm

Concentration: 50mg/ml

Magnetization: 25 - 35 emu/g (measured at a field of 1,000 gauss)

Procedure

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 BioMag Carboxyl (Cat. # 84125) for applications involving the attachment of various ligands to a magnetic particle.

Storage and Stability

Store at 4°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

Cat. #	Description	Size
84200	BioMag® Superparamagnetic Iron Oxide	10ml

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) 6221-765767

In Germany FAX: (49) 6221-764620

Order online anytime at www.polysciences.com.