



Amine Magnetic Particles

PRODUCT DATA SHEET

Amine Magnetic Particles

Description

Amine Magnetic Particles is a type of material that uses PS Magnetic Particles as its core and modifies its surface with Amine. It has the advantages of product size stability, good paramagnetism, good chemical stability, and corrosion resistance. Amine Magnetic Particles can serve as enzyme carriers to maintain the natural activity of enzymes. By utilizing an external magnetic field, the movement mode can be controlled to improve the catalytic efficiency of immobilized enzymes; Amine Magnetic Particles surface can be coupled with antibodies that selectively adsorb onto bacteria for immunoassay determination; Amine Magnetic Particles, through surface functionalization, can serve as drug carriers for targeted drug delivery, enhancing drug efficacy and reducing side effects.

Abvigen Inc can provide high-quality Amine Magnetic Particles (500 nm - 100 um) with uniform particle size and good chemical stability, which can meet various personalized material needs such as customer research and development, testing, and production consumption.

For custom sizes, formulations or bulk quantities please contact our customer service department.

website: www.abvigen.com Phone: +1 929-202-3014 Email: info@abvigenus.com



Characteristics

Diameter: 500 nm - 100 μ m

Size: 10 ml; 20 ml

Concentration: 5 mg/ml; 10 mg/ml; 20 mg/ml

Composition: PS Magnetic Particles

Shape: Spherical

Surface: Amine

Buffer: PBS

Store: Storage at 2 - 8 $^{\circ}$ C

Storage

This product should be stored at 4 $^{\circ}$ C. **DO NOT FREEZE.**

For 10 mg/ml of Amine Magnetic Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
0.5 μ m	10	1.39E+10	1.39E+11	20 μ m	10	2.17E+05	2.17E+06
1 μ m	10	1.74E+09	1.74E+10	30 μ m	10	6.43E+04	6.43E+05
3 μ m	10	6.43E+07	6.43E+08	40 μ m	10	2.71E+04	2.71E+05
5 μ m	10	1.39E+07	1.39E+08	50 μ m	10	1.39E+04	1.39E+05
10 μ m	10	1.74E+06	1.74E+07	100 μ m	10	1.74E+03	1.74E+04
15 μ m	10	5.14E+05	5.14E+06				

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Reserved

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Highlights

Narrow size distribution

High colloidal stability

Uniform particle size

Low non-specific binding

Easy conjugation

Applications

Biomedical science

Environmental Monitoring

Food testing

Chemical synthesis

Catalyzer

Biosensors

Ordering Information

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