Carboxyl Magnetic Particles
PRODUCT DATA SHEET

Carboxyl Magnetic Particles

Description

Carboxyl Magnetic Particles is a type of material that uses PS Magnetic Particles as its core and modifies its surface with Carboxyl. It has the advantages of product size stability, good paramagnetism, good chemical stability, and corrosion resistance, and has a wide range of applications. In the field of biomedical science, Carboxyl Magnetic Particles can be used as enrichment, separation, and purification tools for biomolecules; In the field of water pollution treatment, Carboxyl Magnetic Particles can be used for the adsorption and removal of organic pollutants in water due to their high adsorption performance and controllable surface properties; In terms of chemical synthesis and catalysis, the hydroxyl groups on the surface of Carboxyl Magnetic Particles exhibit excellent catalytic performance and can be used for catalytic reactions in chemical synthesis. As immobilized catalysts, they provide an efficient catalytic reaction environment.

Abvigen Inc can provide high-quality Carboxyl 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.

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Characteristics

Diameter: 500 nm - 100 um

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 °C

Storage

This product should be stored at 4°C. **DO NOT FREEZE**.

For 10 mg/ml of Carboxyl Magnetic Particles

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

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Highlights

Narrow size distribution

High colloidal stability

Low non-specific binding

Easy conjugation

Uniform particle size

Applications

Targeted drug delivery

Immunoassay determination

Environmental Monitoring

Food testing

Chemical synthesis

Catalyzer

Biosensors

Ordering Information

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