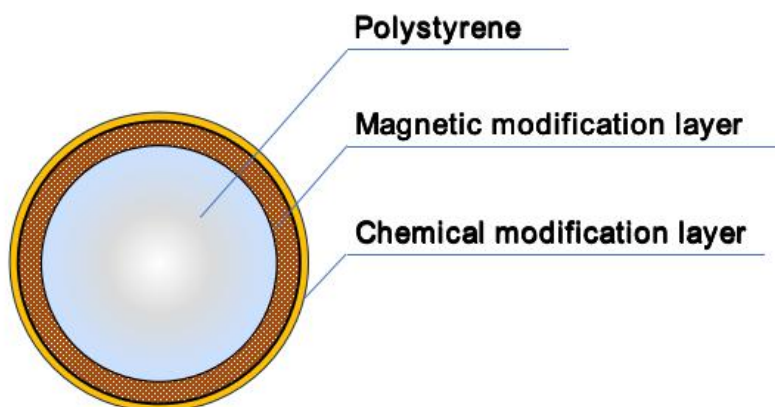


Plain PS Magnetic Particles PRODUCT DATA SHEET

Plain PS Magnetic Particles

Description

PS Magnetic Particles are a special type of magnetic material, mainly composed of three parts: an inner polystyrene core, a middle magnetic material layer, and an outer chemical modification layer. This structure endows microsphere materials with complete superparamagnetism, uniform particle size distribution, and good monodispersity. Complete superparamagnetism enables the material to respond quickly to external magnetic fields, without exhibiting magnetism in the absence of an external magnetic field, effectively avoiding long-term magnetic accumulation in living organisms. In addition, the outer layer of PS Magnetic Particles can be chemically modified for affinity separation analysis, biocatalytic reactions or drug delivery.



Abvigen Inc can provide high-quality Plain PS Magnetic Particles (0.5 μm - 100 μm) 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: 0.5 μ m - 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: N/A

Buffer: PBS

Store: Storage at 4 °C

Storage

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

For 10 mg/ml of PS 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	30 μ m	10	6.43E+04	6.43E+05
1 μ m	10	1.74E+09	1.74E+10	40 μ m	10	2.71E+04	2.71E+05
2 μ m	10	2.17E+08	2.17E+09	50 μ m	10	1.39E+04	1.39E+05
3 μ m	10	6.43E+07	6.43E+08	60 μ m	10	8.04E+03	8.04E+04
5 μ m	10	1.39E+07	1.39E+08	70 μ m	10	5.06E+03	5.06E+04
10 μ m	10	1.74E+06	1.74E+07	80 μ m	10	3.39E+03	3.39E+04
15 μ m	10	5.14E+05	5.14E+06	90 μ m	10	2.38E+03	2.38E+04
20 μ m	10	2.17E+05	2.17E+06	100 μ m	10	1.74E+03	1.74E+04



Highlights

Narrow size distribution

High colloidal stability

Low non-specific binding

Easy conjugation

Uniform particle size

Applications

Environmental Monitoring

Targeted drug delivery

Immunoassay determination

Protein separation and purification

Immobilized enzyme

Biomolecular detection

Chemical synthesis

Catalyzer

Biosensors

Ordering Information

Website: www.abvigen.com

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