



Polystyrene Particles-OH **PRODUCT DATA SHEET**

Polystyrene Particles-OH

Description

Polystyrene Particles-OH is a material formed by hydroxylation modification of its surface with polystyrene and polymerization. Polystyrene Particles-OH has the characteristics of uniform particle size, large specific surface area, good adsorption, good dispersion, good chemical stability and low adhesion. It has a closed microporous structure, high strength, and good chemical stability, and can be applied in many fields such as biomedical detection, electrochemical detection, biosensors, enzyme catalysis, cell labeling, optical labeling, polymer modification.

Abvigen Inc can provide high-quality Polystyrene Particles-OH (50 nm - 100 um) with different particle sizes. Polystyrene Particles-OH has high repeatability, good chemical stability, and uniform particle size between batches, which can meet the personalized material needs of various customers in research and development, testing, production, and 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: 50 nm - 100 um

Concentration: 50 mg/ml

Surface: Hydroxyl

Shape: Spherical

Size: 10 ml or other size

Density: 1.06 g/ccm

Buffer: DI Water

Shelf life: 12 months

For 50 mg/ml of Polystyrene Particles-OH

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
0.05 um	50	1.44E+13	7.21E+14	7 um	50	5.25E+06	2.63E+08
0.1 um	50	1.80E+12	9.01E+13	8 um	50	3.52E+06	1.76E+08
0.2 um	50	2.25E+11	1.13E+13	9 um	50	2.47E+06	1.24E+08
0.3 um	50	6.67E+10	3.34E+12	10 um	50	1.80E+06	9.01E+07
0.4 um	50	2.82E+10	1.41E+12	15 um	50	5.34E+05	2.67E+07
0.5 um	50	1.44E+10	7.21E+11	20 um	50	2.25E+05	1.13E+07
0.6 um	50	8.34E+09	4.17E+11	25 um	50	1.15E+05	5.77E+06
0.7 um	50	5.25E+09	2.63E+11	30 um	50	6.67E+04	3.34E+06
0.8 um	50	3.52E+09	1.76E+11	40 um	50	2.82E+04	1.41E+06
0.9 um	50	2.47E+09	1.24E+11	50 um	50	1.44E+04	7.21E+05
1 um	50	1.80E+09	9.01E+10	60 um	50	8.34E+03	4.17E+05
2 um	50	2.25E+08	1.13E+10	70 um	50	5.25E+03	2.63E+05
3 um	50	6.67E+07	3.34E+09	80 um	50	3.52E+03	1.76E+05
4 um	50	2.82E+07	1.41E+09	90 um	50	2.47E+03	1.24E+05
5 um	50	1.44E+07	7.21E+08	100 um	50	1.80E+03	9.01E+04
6 um	50	8.34E+06	4.17E+08				

1378 US-206 Ste 6-126, Skillman, NJ USA

info@abvigenus.com

Tel: 1-816-388- 0112 Fax: 1- 888-616-0161

Reserved

Email:

© Abvigen Inc All Rights



Storage

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

Advantages

Uniform particle size

Good chemical stability

Larger specific surface area

Good dispersibility

Applications

Protein separation

Column chromatography separation

Cell separation

Enzyme catalysis

Optical sensors

Ordering Information

Website: www.abvigen.com

Phone: +1 929-202-3014

Email: info@abvigenus.com

1378 US-206 Ste 6-126, Skillman, NJ USA

info@abvigenus.com

Tel: 1-816-388- 0112 Fax: 1- 888-616-0161

Reserved

Email:

© Abvigen Inc All Rights