



PRODUCT DATA SHEET

Black Latex Particles-COOH

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

Concentration: 25 mg/ml

Size: 10 ml; 20 ml

Surface: COOH

Shape: Spherical

Density: 1.03 g/ccm

Composition: Polystyrene Particles

Buffer: DI Water

Form: Suspension

Storage

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

For 25 mg/ml of Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
25 nm	25	1.19E+14	2.97E+15	10 um	25	1.85E+06	4.64E+07
50 nm	25	1.48E+13	3.71E+14	20 um	25	2.32E+05	5.79E+06
100 nm	25	1.85E+12	4.64E+13	30 um	25	6.87E+04	1.72E+06
200 nm	25	2.32E+11	5.79E+12	40 um	25	2.90E+04	7.24E+05
300 nm	25	6.87E+10	1.72E+12	50 um	25	1.48E+04	3.71E+05
400 nm	25	2.90E+10	7.24E+11	60 um	25	8.58E+03	2.15E+05
500 nm	25	1.48E+10	3.71E+11	70 um	25	5.41E+03	1.35E+05
600 nm	25	8.58E+09	2.15E+11	80 um	25	3.62E+03	9.05E+04
700 nm	25	5.41E+09	1.35E+11	90 um	25	2.54E+03	6.36E+04

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Reserved



800 nm	25	3.62E+09	9.05E+10	100 um	25	1.85E+03	4.64E+04
900 nm	25	2.54E+09	6.36E+10	200 um	25	2.32E+02	5.79E+03
1 um	25	1.85E+09	4.64E+10	300 um	25	6.87E+01	1.72E+03
2 um	25	2.32E+08	5.79E+09	400 um	25	2.90E+01	7.24E+02
3 um	25	6.87E+07	1.72E+09	500 um	25	1.48E+01	3.71E+02
4 um	25	2.90E+07	7.24E+08	600 um	25	8.58E+00	2.15E+02
5 um	25	1.48E+07	3.71E+08	700 um	25	5.41E+00	1.35E+02
6 um	25	8.58E+06	2.15E+08	800 um	25	3.62E+00	9.05E+01
7 um	25	5.41E+06	1.35E+08	900 um	25	2.54E+00	6.36E+01
8 um	25	3.62E+06	9.05E+07	1 mm	25	1.85E+00	4.64E+01
9 um	25	2.54E+06	6.36E+07	3 mm	25	6.87E-02	1.72E+00

Polystyrene Particles Centrifugation Parameters

Particle Size	Centrifugal Acceleration	Time	Resuspension of Pellet
50 nm	45,000 x g	30 min	30 min sonication / vortex
100 nm	45,000 x g	30 min	30 min sonication / vortex
200 nm	45,000 x g	30 min	30 min sonication / vortex
500 nm	45,000 x g	20 min	10 min sonication / vortex
800 nm	10,000 x g	20 min	10 min sonication / vortex
1 µm	3,500 x g	15 min	10 min sonication / vortex
2 – 4 µm	1,600 x g	15 min	vortex
5 - 8 µm	1,200 x g	10 min	vortex
> 8 µm	25 x g	10 min	vortex

Ordering Information

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