Red Fluorescent PS Magnetic Particles
PRODUCT DATA SHEET

Red Fluorescent PS Magnetic Particles-Plain

Description

Fluorescent Particles are prepared by either incorporation of selected fluorophores into monodisperse polystyrene particles by means of swelling processes or by copolymerization of styrene with various organic fluorescent dyes, these processes generate fluorophores labeled polystyrene particles with favorable properties. As a result, a wide variety of fluorescent particles can be prepared ranging in size, type of fluorophore, fluorescence intensity and surface functional groups. Most of the fluorophores chosen for use in the preparation of Fluorescent Particles are water insoluble and therefore are very stable. These fluorophores, once incorporated into the particles, do not leach and their color and fluorescence remains stable for long periods of time under proper storage conditions. Fluorescent particles with single or multiple fluorophores are available in various sizes, emission spectra and combinations. Many are suitable for uses in flow cytometry, fluorescence microscopy, phagocytosis studies and cell labeling.

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: 10 mg/ml

Size: 10 ml; 20 ml

Surface: Plain

Shape: Spherical

Composition: Magnetic Polystyrene Matrix Particles

Density: 1.1 g/ccm

Standard deviation: CV<5%

Excitation: 620 nm

Emission: 680 nm

Buffer: PBS

Form: Suspension

Store: Storage at 2 - 8 °C

Storage

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

For 10 mg/ml of Fluorescent PS Magnetic Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
50 nm	10	1.39E+13	1.39E+14	6 um	10	8.04E+06	8.04E+07
100 nm	10	1.74E+12	1.74E+13	7 um	10	5.06E+06	5.06E+07
200 nm	10	2.17E+11	2.17E+12	8 um	10	3.39E+06	3.39E+07
300 nm	10	6.43E+10	6.43E+11	9 um	10	2.38E+06	2.38E+07
400 nm	10	2.71E+10	2.71E+11	10 um	10	1.74E+06	1.74E+07
500 nm	10	1.39E+10	1.39E+11	20 um	10	2.17E+05	2.17E+06
600 nm	10	8.04E+09	8.04E+10	30 um	10	6.43E+04	6.43E+05
700 nm	10	5.06E+09	5.06E+10	40 um	10	2.71E+04	2.71E+05
800 nm	10	3.39E+09	3.39E+10	50 um	10	1.39E+04	1.39E+05
900 nm	10	2.38E+09	2.38E+10	60 um	10	8.04E+03	8.04E+04
1 um	10	1.74E+09	1.74E+10	70 um	10	5.06E+03	5.06E+04
2 um	10	2.17E+08	2.17E+09	80 um	10	3.39E+03	3.39E+04
3 um	10	6.43E+07	6.43E+08	90 um	10	2.38E+03	2.38E+04
4 um	10	2.71E+07	2.71E+08	100 um	10	1.74E+03	1.74E+04
5 um	10	1.39E+07	1.39E+08	200 um	10	2.17E+02	2.17E+03

Ordering Information

website: www.abvigen.com

Phone: +1 929-202-3014

Email: info@abvigenus.com

1378 US-206 Ste 6-126, Skillman, NJ USA Email: info@abvigenus.com

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