Green PMMA Fluorescent Particles-Plain
PRODUCT DATA SHEET

Green PMMA Fluorescent 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

Density: 1.15 g/ccm

Composition: Green PMMA Fluorescent Particles

Excitation: 488 nm

Emission: 518 nm

Buffer: DI Water

Form: Suspension

1378 US-206 Ste 6-126, Skillman, NJ USA Email: info@abvigenus.com
Tel: 1-816-388- 0112 Fax: 1- 888-616-0161

Store: Storage at 2 - 8 °C

Storage

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

Highlights

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Monodisperse particles

High particle size uniformity

High-intensity fluorescence

Outstanding long-term stability under proper storage conditions (both color and fluorescence)

Spherical shape

Great resistance to photobleaching

Minimized dye leaching

Suitable for uses in flow cytometry, fluorescence microscopy, phagocytosis studies and cell labeling

For 10 mg/ml of Green PMMA Fluorescent Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
50 nm	10	1.33E+13	1.33E+14	10 um	10	1.66E+06	1.66E+07
80 nm	10	3.24E+12	3.24E+13	20 um	10	2.08E+05	2.08E+06
100 nm	10	1.66E+12	1.66E+13	30 um	10	6.15E+04	6.15E+05
200 nm	10	2.08E+11	2.08E+12	40 um	10	2.59E+04	2.59E+05
300 nm	10	6.15E+10	6.15E+11	50 um	10	1.33E+04	1.33E+05
400 nm	10	2.59E+10	2.59E+11	60 um	10	7.69E+03	7.69E+04
500 nm	10	1.33E+10	1.33E+11	70 um	10	4.84E+03	4.84E+04
600 nm	10	7.69E+09	7.69E+10	80 um	10	3.24E+03	3.24E+04
700 nm	10	4.84E+09	4.84E+10	90 um	10	2.28E+03	2.28E+04
800 nm	10	3.24E+09	3.24E+10	100 um	10	1.66E+03	1.66E+04
900 nm	10	2.28E+09	2.28E+10	200 um	10	2.08E+02	2.08E+03
1 um	10	1.66E+09	1.66E+10	300 um	10	6.15E+01	6.15E+02

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2 um	10	2.08E+08	2.08E+09	400 um	10	2.59E+01	2.59E+02
3 um	10	6.15E+07	6.15E+08	500 um	10	1.33E+01	1.33E+02
4 um	10	2.59E+07	2.59E+08	600 um	10	7.69E+00	7.69E+01
5 um	10	1.33E+07	1.33E+08	700 um	10	4.84E+00	4.84E+01
6 um	10	7.69E+06	7.69E+07	800 um	10	3.24E+00	3.24E+01
7 um	10	4.84E+06	4.84E+07	900 um	10	2.28E+00	2.28E+01
8 um	10	3.24E+06	3.24E+07	1 mm	10	1.66E+00	1.66E+01
9 um	10	2.28E+06	2.28E+07				

Ordering Information

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