Orange PMMA Fluorescent Particles-NH2-540 nm/580 nm

PRODUCT DATA SHEET

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Description

Fluorescent particles are prepared by incorporating selected fluorophores into monodisperse PMMA particles through swelling process or copolymerizing MMA with various organic fluorescent dyes, which produce fluorophores labeled PMMA particles with satisfactory properties. Functional groups or biological macromolecules (carboxyl, amino, hydroxyl, streptavidin, etc.) can be quantitatively modified on the surface of microsphere as linking groups for immunoanalysis, making fluorescent PMMA microspheres have a wide range of applications, including lateral chromatography, cell imaging, microfluidics and fluorescence enzyme-related immunosorbent assay. 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.

Abvigen Inc. offers a wide range of PMMA Fluorescent Particles, including Orange PMMA Fluorescent Particles-NH2. The product size is adjustable in the range of 50 nm - 100 µm, and can be further flexibly adjusted according to customer requirements and use conditions to achieve customized supply.

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

Particle size range: 50 nm - 100 µm

Surface: Amino

Shape: Spherical

Composition: PMMA Particles

Excitation: 540 nm

Emission: 580 nm

Form: Suspension

Colour: Orange

Store: Storage at 2 - 8 °C

Quality guarantee period: 12 months

Storage

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

Highlights

Customized supply

Large scale supply

Excellent application effect

Good monodispersity

Excellent fluorescence performance

For 10 mg/ml of Orange PMMA Fluorescent Particles-NH2

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
0.05	10	1.33E+13	1.33E+14	6	10	7.69E+06	7.69E+07
0.1	10	1.66E+12	1.66E+13	7	10	4.84E+06	4.84E+07
0.2	10	2.08E+11	2.08E+12	8	10	3.24E+06	3.24E+07
0.3	10	6.15E+10	6.15E+11	9	10	2.28E+06	2.28E+07
0.4	10	2.59E+10	2.59E+11	10	10	1.16E+06	1.16E+07
0.5	10	1.33E+10	1.33E+11	20	10	2.08E+05	2.08E+06
0.6	10	7.69E+09	7.69E+10	30	10	6.15E+04	6.15E+05
0.7	10	4.84E+09	4.84E+10	40	10	2.59E+04	2.59E+05
0.8	10	3.24E+09	3.24E+10	50	10	1.33E+04	1.33E+05
0.9	10	2.28E+09	2.28E+10	60	10	7.69E+03	7.69E+04
1	10	1.66E+09	1.66E+10	70	10	4.84E+03	4.84E+04

2	10	2.08E+08	2.08E+09	80	10	3.24E+03	3.24E+04
3	10	6.15E+07	6.15E+08	90	10	2.28E+03	2.28E+04
4	10	2.59E+07	2.59E+08	100	10	1.66E+03	1.66E+04
5	10	1.33E+07	1.33E+08				

Ordering Information

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