



Orange GMA Fluorescent Particles 525-543/580

PRODUCT DATA SHEET

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Description

Fluorescent particles are prepared by incorporating selected fluorophores into monodisperse GMA particles through polymerization technique, which produce fluorophores labeled GMA particles with satisfactory properties. Functional groups on biological macromolecules (carboxyl, amino, hydroxyl, streptavidin, etc.) can be quantitatively modified on the surface of microsphere as linking groups for immunoanalysis, making fluorescent GMA 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 GMA Fluorescent Particles, including Orange GMA Fluorescent Particles. The product size is adjustable in the range of 1 μm - 10 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

Particle size range: 1 μm - 10 μm

Concentration: 10 mg/ml

Size: 10 ml

Surface: Plain

Shape: Spherical

Composition: GMA Particles

Excitation: 525-543 nm

Emission: 580 nm

Form: Suspension

Store: Storage at 2 - 8 $^{\circ}\text{C}$



Quality guarantee period: 12 months

Storage

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

For 10 mg/ml of Orange GMA Fluorescent Particles-525-543 nm/580nm

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
1 um	10	1.78E+09	1.78E+10	6 um	10	8.26E+06	8.26E+07
2 um	10	2.23E+08	2.23E+09	7 um	10	5.20E+06	5.20E+07
3 um	10	6.61E+07	6.61E+08	8 um	10	3.49E+06	3.49E+07
4 um	10	2.79E+07	2.79E+08	9 um	10	2.45E+06	2.45E+07
5 um	10	1.43E+07	1.43E+08	10 um	10	1.78E+06	1.78E+07

Advantage

Uniform particle size

Stable fluorescence intensity

Good chemical stability

Rich epoxy groups

**Applications**

Customized supply

Large scale supply

Excellent application effect

Good monodispersity

Excellent fluorescence performance

Ordering Information

Website: www.abvigen.com

Phone: +1 929-202-3014

Email: info@abvigenus.com