



## Red PLA Fluorescent Particles PRODUCT DATA SHEET

### Red PLA Fluorescent Particles

#### Description

Poly(lactic acid) (PLA) is increasingly being considered as an ideal biodegradable candidate to replace petroleum-based polymers. PLA fluorescent particles with satisfactory properties can be prepared by different technologies (simple emulsion (o/w), double emulsion (w/o/w) and nanoprecipitation technology). Functional groups or biological macromolecules (amino, streptavidin, etc.) can be quantitatively modified on the surface of microsphere as linking groups for immunoanalysis, making PLA fluorescent particles 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 PLA fluorescent particles, including Red PLA Fluorescent Particles. The product size is adjustable in the range of 500 nm - 100  $\mu$ m, 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](http://www.abvigen.com) **Phone:** +1 929-202-3014 **Email:** [info@abvigenus.com](mailto:info@abvigenus.com)

#### Characteristics

Concentration: 10 mg/ml

Size: 10 ml

Particle size range: 250 nm - 100  $\mu$ m

Surface: Plain

Shape: Spherical

Composition: PLA Particles

Excitation: 620 nm

Emission: 680 nm

1378 US-206 Ste 6-126, Skillman, NJ USA

[info@abvigenus.com](mailto:info@abvigenus.com)

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

Reserved

Email:

© Abvigen Inc All Rights



Form: Suspension

Colour: Red

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 Red PLA Fluorescent Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
0.25	10	1.16E+11	1.16E+12	30	10	6.74E+04	6.74E+05
0.5	10	1.46E+10	1.46E+11	100	10	1.82E+03	1.82E+04
2	10	2.27E+08	2.27E+09				

### Ordering Information

Website: [www.abvigen.com](http://www.abvigen.com)

Phone: +1 929-202-3014

Email: [info@abvigenus.com](mailto:info@abvigenus.com)

1378 US-206 Ste 6-126, Skillman, NJ USA

[info@abvigenus.com](mailto:info@abvigenus.com)

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

Reserved

Email:

© Abvigen Inc All Rights