



PRODUCT DATA SHEET

Amino PLA Particles

Description

In the past decades, biopolymers based on lactic acid and glycolic acid and their copolymers have attracted great interest in various medical applications. Poly(D,L-lactic acid) (PLA) has been widely used for various biomedical applications for its biodegradable, biocompatible, and nontoxic properties. In particular, polylactic acid (PLA) is applied for sutures, stents, dialysis media, drug delivery devices and tissue repair. PLA is a colourless, glossy and stiff thermoplastic biopolymer that is degraded by simple hydrolysis of the ester bond. Abvigen can offer PLA microspheres involving various sizes, group modification, and fluorescence, available with plain or functionalized surfaces for a variety of biomedical applications such as drug delivery, bioimaging and biomedical devices.

For custom sizes, formulations or bulk quantities please contact our customer service department.

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Cat No	Product Name	Concentration	Size
ABM-3-215	Amino PLA particles, 250 nm	10 mg/ml	10 ml
ABM-3-219	Amino PLA particles, 500 nm	10 mg/ml	10 ml
ABM-3-225	Amino PLA particles, 2 um	10 mg/ml	10 ml
ABM-3-243	Amino PLA particles, 30 um	10 mg/ml	10 ml
ABM-3-247	Amino PLA particles, 100 um	10 mg/ml	10 ml

Characteristics

Concentration: 10 mg/ml

Size: 10 ml; 20 ml

Surface: NH₂

Shape: Spherical

Density: 1.0 g/ccm

Composition: poly(lactic acid) particles

Buffer: DI Water

Form: Suspension



Storage

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

Highlights

Available in diameters ranging from 250 nm to 100 µm.

High transparency.

Thermal stability and heat resistance.

Good mechanical and physical properties.

Good compatibility and degradability.

Good tensile strength and ductility.

High toughness

High impact resistance

The surface of the print is smooth

Applications

Bioimaging

Drug delivery

Medical implants

Theranostics

Biomedical devices

Immunoassay

Sutures

Tissue engineering

Packaging

Automotive applications

Ordering Information

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