



## Red Fluorescent Starch Magnetic Particles-NH2 PRODUCT DATA SHEET

### Red Fluorescent Starch Magnetic Particles-NH2

#### Description

Starch based magnetic particles were prepared by chemical coprecipitation method of controlling magnetite phase in solution using polymer starch as substrate. Then it was combined with fluorescein to obtain fluorescent starch magnetic particles with satisfactory properties, which can be used in biomedical applications such as in vivo magnetic resonance imaging (MRI), magnetic particle imaging (MPI), in vitro diagnostic magnetic induction, small molecule drug delivery, immunotherapy, hyperthermia and vaccine adjuvant. Functional groups or biological macromolecules (amino, streptavidin, etc.) can be quantitatively modified on the surface of microsphere as linking groups for immunoanalysis, making fluorescent starch magnetic 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 fluorescent starch magnetic particles, including Red Fluorescent Starch Magnetic Particles-NH2. The product 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; 5 mg/ml

Size: 5 ml

Particle size: 100 nm

Surface: Amino

Shape: Spherical

Composition: Starch Particles

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Excitation: 620 nm

Emission: 680 nm

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

Excellent fluorescence performance

### For 10 mg/ml of Red Fluorescent Starch Magnetic Particles-NH<sub>2</sub>

Diameter	Conc. mg/ml	Particles/mg	Particles/ml
0.1	10	1.27E+12	1.27E+13

### For 5 mg/ml of Red Fluorescent Starch Magnetic Particles-NH<sub>2</sub>

Diameter	Conc. mg/ml	Particles/mg	Particles/ml
0.1	5	1.27E+12	6.37E+12

### Ordering Information

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

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