



Red Fluorescent Magnetic Dextran Particles

PRODUCT DATA SHEET

Red Fluorescent Magnetic Dextran Particles

Description

Red Fluorescent Magnetic Dextran Particles is a multifunctional Particles, which adopts cross-linked dextran matrix, with excellent biocompatibility, biodegradability and stability, and reduces potential damage to organisms. The Particles can emit bright red fluorescence in a wide range of excitation wavelengths, and are suitable for deep tissue imaging and cell labeling. The excellent magnetic response characteristics enable Red Fluorescent Magnetic Dextran Particles to be manipulated by external magnetic fields, achieving improved imaging and diagnostic accuracy in targeted delivery and separation. In addition, Red Fluorescent Magnetic Dextran Particles can be labeled and coupled with various biomolecules through surface modification and functionalization to adapt to various scientific and medical applications. This material is commonly used in cell research, disease diagnosis, and treatment monitoring.

Abvigen Inc can provide high quality Red Fluorescent Magnetic Dextran Particles with various particle sizes. The product has uniform particle size and good magnetic stability. It can meet the personalized material needs of various customers for research and development, testing, production, and consumption.

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

Size: 10 ml

Surface: Plain/ Amino / Streptavidin

Diameter: 100 nm

Polydispersity index: < 0.250

Composition: Cross-linked dextran iron oxide composite particles

Shape: Cluster-typed

Excitation: 552 nm

Emission: 580 nm

Buffer: Suspension in PBS

Expiration date: 6 months

Store: Storage at 2 - 8 °C

Storage

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

For 10 mg/ml of Red Fluorescent Magnetic Dextran Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml
100 nm	10	5.97E+11	5.97E+12

Advantage

Uniform particle size

Stable fluorescence intensity

Good magnetism

Good biocompatibility

**Applications**

Biological fluorescence imaging

Biosensors

Drug delivery

Targeted therapy

Ordering Information

Website: www.abvigen.com

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Email: info@abvigenus.com