



Far Red Fluorescent Magnetic Dextran Particles

PRODUCT DATA SHEET

Far Red Fluorescent Far Magnetic Dextran Particles

Description

Far Red Fluorescent Magnetic Dextran Particles are multifunctional nanoparticles that utilize a cross-linked dextran matrix and exhibit excellent biocompatibility, biodegradability, and stability, significantly reducing potential damage to living organisms. These particles have excellent infrared fluorescence properties, suitable for deep tissue imaging and cell labeling, and possess good magnetic response characteristics. They can be targeted and separated through external magnetic fields, improving the accuracy of imaging and diagnosis. In addition, Far Red Fluorescent Magnetic Dextran Particles can be labeled and coupled with various biomolecules through surface modification and functionalization to meet different application needs. Its controllable particle size and morphology make it a tool in basic scientific research for cell signal transduction research, and have broad prospects in medical applications, especially in disease diagnosis and treatment monitoring.

Abvigen Inc can provide high quality Far 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: 732 nm

Emission: 758 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 Far 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 magnetic stability

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