



Time Resolved Fluorescent Particles-SA PRODUCT DATA SHEET

Time Resolved Fluorescent Particles-SA

Description

Fluorescence occurs when a molecule absorbs energy in the form of light and then immediately releases this energy again in the form of light.

Excitation wavelength - characteristic wavelength that molecule absorbs

Emission wavelength - characteristic wavelength that molecule emits

Fluorescent Particles are round spherical particles that emit bright colors when illuminated by UV light.

Fluorescent Particles offer extra sensitivity and detectability for analytical methods.

Abvigen's fluorescent polymer microspheres are available in many particle sizes, colors, densities, and excitation and emission wavelengths, can be stored at room temperature or dispersed in aqueous media without degrading their fluorescent properties. Abvigen offers a series of fluorescent particles, commonly used in biological field for tracing, cell labeling, in vivo imaging, drug discovery research and calibration of flow cytometry, among other applications.

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

Core diameter: 100 nm 500 nm

Size: 10 ml; 20 ml; 50 ml; 100 ml

Concentration: 10 mg/ml

Surface: SA

Shape: Spherical

Density: 1.03 g/ccm

Composition: Europium (Eu) Time Resolved Fluorescent Particles

Excitation: 360 nm

Emission: 615 nm

Buffer: DI Water

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

info@abvigenus.com

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

Reserved

Email:

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Form: Suspension

Storage

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

Advantages

High sensitivity and low background

Lower detection limit

High reproducibility and stability

Monodisperse without agglomeration and aggregation

Specific surface properties for effectively coupling of target molecules

Applications

lateral flow assays

Point-of-Care (POC)

Diagnostic assay

Immunochromatographic and microplate-based formats

Molecular biology

Nucleic acid

Hybridizations

Immuno/histological research

Ordering Information

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