



PRODUCT DATA SHEET

Blue Silica Fluorescent Particles-NH₂

Description

Abvigen offers a number of fluorescent and multifunctional silica nanoparticles and microbeads with a high amount of covalently bound fluorescence dye in the silica matrix. The particle size ranges from 50 nm to 100 um. Our proprietary synthetic methods ensure the strong fluorescent signal, high photostability of these fluorescent beads. These green fluorescent particles have excitation/emission wavelength around 400 nm/450 nm.

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

Details

Concentration: 10 mg/ml

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

Surface: NH₂

Shape: Spherical

Density: 2.0 g/ccm

Composition: Blue Silica Fluorescent Particles-NH₂

Excitation: 400 nm

Emission: 450 nm

Buffer: DI Water

Form: Suspension

Store: Storage at 2 - 8 °C

Highlights

Produced by hydrolysis of orthosilicates and related compounds,

Contain a high amount of covalently bound fluorescence dye in the silica matrix

Stable in organic solvents and buffers

No toxic effects come from the covalently bound fluorescence dyes

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Reserved

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Available with red fluorescence, green fluorescence, blue fluorescence and Orange fluorescence

Applications

Fluorescent imaging and multimodal imaging

Flow cytometry

Drug and gene delivery

Immunoassays and biosensors

Theranostic platform

Disease treatment

Nanomedicine and nanotoxicology

Storage

This product should be stored at room temperature. **DO NOT FREEZE.** If stored unopened and as specified, Abvigen Blue Silica Fluorescent Particles-NH₂ are stable for at least 12 months.

Ordering Information

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Email: info@abvigenus.com

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