



## PRODUCT DATA SHEET

### Blue Silica Fluorescent Particles

#### 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](http://www.abvigen.com) Phone: +1 929-202-3014 Email: [info@abvigenus.com](mailto:info@abvigenus.com)

#### Details

Concentration: 10 mg/ml

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

Surface: Plain

Shape: Spherical

Density: 2.0 g/ccm

Composition: Blue Silica Fluorescent Particles

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

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

[info@abvigenus.com](mailto:info@abvigenus.com)

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

Reserved

Email:

© Abvigen Inc All Rights



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 are stable for at least 12 months.

### **Ordering Information**

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

Phone: +1 929-202-3014

Email: [info@abvigenus.com](mailto:info@abvigenus.com)

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

[info@abvigenus.com](mailto:info@abvigenus.com)

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

Reserved

Email:

© Abvigen Inc All Rights