Green 100% PVC Fluorescent Particles
PRODUCT DATA SHEET

Green 100% PVC Fluorescent Particles

Description

Green 100% PVC Fluorescent Particles are tiny particles made of polyvinyl chloride (PVC) material and endowed with luminescent properties by incorporating fluorescent dyes. This material has excellent chemical stability, stable fluorescence intensity, and good thermal stability, making it suitable for various application fields. The surface of PVC fluorescent particles can be functionalized, and different modified fluorescent particles can improve their binding ability with other molecules, enhancing their applications in drug delivery, protein separation, and other fields. In biomedical applications, 100% PVC Fluorescent Particles can be used for cell labeling, immunoassay, and pathological detection. In environmental monitoring, 100% PVC Fluorescent Particles are used as tracers to monitor pollutants. In chemical analysis, 100% PVC Fluorescent Particles can be used for real-time monitoring of reactions or changes in substance concentration.

Abvigen Inc can provide high-quality Green 100% PVC Fluorescent Particles of different particle sizes. This product has uniform particle size and stable fluorescence intensity, and can provide various surface modifications to meet different personalized material needs such as customer research and development, testing, and production consumption.

For custom sizes, formulations or bulk quantities please contact our customer service department.

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Characteristics

Concentration: 10 mg/ml

Size: 10 ml

Surface: Plain / Amino / Carboxyl / Avidin / Biotin / Streptavidin / Protein G

Shape: Spherical

Composition: 100% PVC Fluorescent Particles

Excitation: 488 nm

Emission: 518 nm

Buffer: DI water, 20 ppm SDS

Form: Suspension

Store: Storage at 2 - 8 °C

Shelf life: 12 months

Storage

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

For 10 mg/ml of Green 100% PVC Fluorescent Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
0.05 um	10	1.13E+13	1.13E+14	1 um	10	1.41E+09	1.41E+10
0.1 um	10	1.41E+12	1.41E+13	2 um	10	1.77E+08	1.77E+09
0.2 um	10	1.77E+11	1.77E+12	3 um	10	5.24E+07	5.24E+08
0.3 um	10	5.24E+10	5.24E+11	4 um	10	2.21E+07	2.21E+08
0.4 um	10	2.21E+10	2.21E+11	5 um	10	1.13E+07	1.13E+08
0.5 um	10	1.13E+10	1.13E+11	6 um	10	6.55E+06	6.55E+07
0.6 um	10	6.55E+09	6.55E+10	7 um	10	4.12E+06	4.12E+07
0.7 um	10	4.12E+09	4.12E+10	8 um	10	2.76E+06	2.76E+07
0.8 um	10	2.76E+09	2.76E+10	9 um	10	1.94E+06	1.94E+07
0.9 um	10	1.94E+09	1.94E+10	10 um	10	1.41E+06	1.41E+07

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Advantage

Uniform particle size

Surface modifiable

High specific surface area

Good chemical stability

High temperature resistance performance

Good corrosion resistance

Stable fluorescence intensity

Applications

Paint additives

Biomedical materials

Drug delivery

Cell tracking

Immunoassay

Biomarkers

Ordering Information

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