

PS Fluorescent Particles

DESCRIPTION

Polystyrene (PS) fluorescent particles internally dyed have the feature of bright, high-contrast colors. Fluorescent particles emit bright and distinct colors when illuminated by the light of shorter wavelengths than the emission wavelength. This improves their contrast and visibility relative to background materials.

Biotyscience utilize special process to incorporate the dye throughout the polymermatrix. This method produces bright fluorescent colors, minimies photobleaching, and prevents dye leaching into aqueous media. The particles are made of PS, and the aqueous suspensions are packaged as 1% solids. These particles can be detected with an epifluorescence microscope, confocal microscope, fluorometer, fluorescence spectrophotometer, or fluorescence activated cell sorter. They can also be detected using mineral light or UV. The spectral properties of the dyes are dependent on their concentration and physical environment. The exact excitation and emission maxima may vary depending on the size and composition of the particles.

Beijing Biotyscience Co. Ltd can provide monodisperse PS fluorescent microspheres with different color light of red, orange, green and blue. Our company can supply monodisperse particles with uniform particle size and good sphericity, besides, customization is accepted if for special needs.

PRODUCT INFORMATION

Type	PS particles
Concentration	1%
Surface	-NH ₂ /-COOH or other
Diameter	30 nm-1000 um
Buffer	DI water
Size	10 ml
Storage	Stored at 2 - 8°C. Do not freeze. Protect from light.

北京百欧泰生物科技有限公司

Tel: 400-669-8850 Email: info@biotyscience.com

Address: 北京市房山区良乡凯旋大街建设路 18 号

Advantage

Narrow particle size distribution

High fluorescence intensity

Stable performance

Good dispersion

Application

Fluid tracing

Fluid mechanics studies

Cell tracking

Phagocytosis studies

Latex agglutination tests

Fluorescence microanalysis

Confocal fluorescence microscopy assay

Agglutination reaction

Instrument calibration

Storage

Store product away from direct sunlight at 2-8° C.

Do NOT freeze. Freezing causes irreversible aggregation of the particles.