

PMMA Fluorescent Microspheres

DESCRIPTION

PMMA is produced from the polymerization of methyl methacrylate. PMMA is less hydrophobic than polystyrene and shows reduced nonspecific protein or peptide binding, and it can keep the spheres suspended in a fluid due to its little density. PMMA particles are known for high impact and heat resistance, and good tensile and flexural strength.

Monodisperse PMMA fluorescent microspheres can be prepared by binding the fluorescent molecules to the surface of PMMA. Fluorescent PMMA microspheres are commonly used in imaging and diagnostic applications to detect binding events or signal enhancement. Fluorescent PMMA microspheres are also used in other experiments, such as fluid tracing, fluid mechanics studies, cell tracking, phagocytosis studies, latex agglutination tests, fluorescence microscopy, instrument calibration, and biomedical technology research.

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

PRODUCT INFORMATION

Type	PMMA particles
Concentration	1%
Surface	Amine or other
Diameter	0.1 um-100 um
Buffer	DI water
Size	10 ml
Storage	Stored at 2 - 8°C. Do not freeze. Protect from light.

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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.