

Absolute Mag™ PEG-COOH Magnetic Polystyrene Particles, 10 µm

Cat.No: WHM-G145

DESCRIPTION

Description	Absolute Mag™ PEG-COOH Magnetic Polystyrene Particles, 10 µm (# WHM-G145) are monodisperse magnetic particles, consisting of magnetite around an organic matrix of a polystyrene polymer, and finally coated with a polymer layer for the encapsulation of magnetite. These particles are designed with PEG-COOH groups on the surface for the covalent binding of proteins, antibodies or other molecules by carbodiimide chemistry. These magnetic particles can easily be separated with a conventional permanent magnet. Standard deviation: < 10 % (C.V.).
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PRODUCT INFORMATION

Particle Size	10 µm
Functional Group	Carboxyl
Concentration	50 mg/mL
Number of Particles	8.7E+7 particles/mL
Matrix	Polystyrene
Density	1.1 g/ccm
Magnetization	1.8 Am ² /kg particles (H = 80 kA/m)
Saturation Magnetization	> 2.1 Am ² /kg particles (H> 800 kA/m)

STORAGE AND SHIPPING

Storage Buffer	Suspension in water.
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Stability	Stable in aqueous buffers, methanol, ethanol, DMSO. Not stable in halogenated hydrocarbons, toluene, strong acidic solutions, e.g. 10% HCl .
Storage	Storage at 2 - 8 °C for 6 months.
Shelf Life	When stored as specified the product is stable for six months.