Absolute Mag™ PEG-COOH Magnetic Polystyrene Particles, 5 μm

Cat.No: WHM-G141

DESCRIPTION

Description	Absolute Mag™ PEG-COOH Magnetic Polystyrene Particles, 5 μm (# WHM-G141) 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: < 5 % (C.V.).

PRODUCT INFORMATION

Particle Size	5 μm
Functional Group	Carboxyl
Concentration	50 mg/mL
Number of Particles	7.0E+8 particles/mL
Matrix	Polystyrene
Density	1.1 g/ccm
Magnetization	4.0 Am2/kg particles (H = 80 kA/m)
Saturation Magnetization	> 4.9 Am2/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.

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