Absolute Mag™ PEI Magnetic Polystyrene Particles, 12 µm

Cat.No: WHM-G153

DESCRIPTION

Description	Absolute Mag™ PEI Magnetic Polystyrene Particles, 12 µm (# WHM-G153) 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 a polyethylenimine (PEI) coating for binding and magnetic separation of nucleic acids. These magnetic particles can easily be separated with a conventional permanent magnet. Standard deviation: < 5 % (C.V.).

PRODUCT INFORMATION

Particle Size	12 µm
Functional Group	PEI
Concentration	50 mg/mL
Number of Particles	2.5E+7 particles/mL
Ion Exchanger Type	Strong anion-exchanger
Matrix	Polystyrene
Density	1.1 g/ccm
Magnetization	0.5 Am2/kg particles (H = 80 kA/m)
Saturation Magnetization	> 0.6 Am2/kg particles (H> 800 kA/m)

STORAGE AND SHIPPING

Storage Buffer	Suspension in water.
Stability	Stable in aqueous buffers, methanol, ethanol, DMSO. Not stable in halogenated hydrocarbons, toluene, strong acidic solutions, e.g. 10% HCl .
Storage	Storage at room temperature.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221