Absolute Mag™ Biotin Magnetic Nanoparticles, Dextran Coated, 250 nm

Cat.No: WHM-G037

DESCRIPTION

Description	Absolute Mag™ Biotin Magnetic Nanoparticles, Dextran Coated, 250 nm (# WHM-G037) are synthesized as a core of magnetite and coated with dextran shell. These nanoparticles are designed with biotin on the surface for the binding of avidin, streptavidin or their derivatives. These magnetic nanoparticles are cluster-typed shaped and can be separated with a permanent magnet. Polydispersity index: < 0.2.

PRODUCT INFORMATION

Polydispersity Index	< 0.2
Particle Size	250 nm
Ligand	Biotin
Surface Coating	Dextran
Concentration	10 mg/mL
Number of Particles	4.9E+11 particles/mL
Density	2.5 g/ccm
Magnetization	43 Am2/kg iron (H = 80 kA/m)
Saturation Magnetization	>63 Am2/kg iron (H> 800 kA/m)
Coercive Field Hc	0.469 kA/m

STORAGE AND SHIPPING

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@cd-bioparticles.com
Tel: 1-631-633-6938 Fax: 1-631-938-8221

Storage Buffer	Suspension in PBS (0.02 % sodium azide).
Stability	Stable in aqueous buffers pH> 4. Not stable in organic solvents, acidic solutions pH < 4.
Storage	Storage at 2 - 8 °C for 3 months.
Shelf Life	When stored as specified the product is stable for three months.

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