



Hydroxyl-Terminated Magnetic Beads

BcMag™ Hydroxyl-Terminated Magnetic Beads are uniform, silica-based superparamagnetic beads coated with high-density Hydroxyl functional groups on the surface. The Hydroxyl group can be activated by cyanogens bromide, carbodiimidazole, epoxide, or periodate.



Specification		
Composition	Silica-coated iron oxide magnetic beads grafted with a hydroxyl group on the surface.	
Number of Beads	~ 1.68 x 10 ⁹ beads/mg (1µm beads) ~ 5x 10 ⁷ beads /mg (5µm beads)	
Stability	pH 4-10; Temperature: 4°C -140°C; Most organic solvents	
Magnetization	~40-45 EMU/g	
Type of Magnetization	Superparamagnetic	
Effective Density	2.5 g/ml	
Concentration	30 mg/ml n d ₂ H ₂ O	
Functional Group Density	1µm Magnetic Beads	~255 µmole / g of Beads
	5µm Magnetic Beads	~180 µmole / g of Beads
	1µm Long-Arm Magnetic Beads	~200 µmole / g of Beads
	5µm Long-Arm Magnetic Beads	~172 µmole / g of Beads
Storage	Store at 4° upon receipt.	

Related Products	
Amine-Terminated Magnetic Beads	Iodoacetyl-Activated Magnetic Beads
DADPA-Activated Magnetic Beads	Peptide conjugation buffer Kit-I
Carboxyl-Terminated Magnetic Beads	Peptide conjugation buffer Kit-II
Epoxy-Activated Magnetic Beads	DVS-Activated Magnetic Beads
Hydrazide-Terminated Magnetic Beads	NHS-Activated Magnetic Beads
Glycoprotein and Antibody Conjugation Kit-I	Hydroxyl-Terminated Magnetic Beads
Glycoprotein and Antibody Conjugation Kit-II	Sulfhydryl-Terminated Magnetic Beads
Aldehyde-Activated Magnetic Beads	Tosyl-Activated Magnetic Beads
Silica-Modified Magnetic Beads	CDI-Activated Magnetic Beads
Alkyne-Activated Magnetic Beads	Thiol-Activated Magnetic Beads
Azide-Activated Magnetic Beads	Cleavable NHS-Activated Magnetic Beads
Cleavable Amine-Terminated Magnetic Beads	Cleavable Azide-Activated Magnetic Beads
Cleavable Carboxyl-Terminated Magnetic Beads	Cleavable Alkyne-Activated Magnetic Beads
Cleavable Epoxy-Activated Magnetic Beads	Cleavable Iodoacetyl-Activated Magnetic Beads
Cleavable Hydrazide-Terminated Magnetic Beads	Cleavable Tosyl-Activated-Magnetic Beads
Cleavable Aldehyde-Activated Magnetic Beads	Streptavidin Magnetic Beads
Boronate Affinity Magnetic Beads	Cleavable Streptavidin Magnetic Beads
Monomer Avidin Magnetic Beads	