



Magnetic Beads Make Things Simple Instruction Manual

Silica-modified Magnetic Beads

BcMag™ silica-modified magnetic beads are uniform and superparamagnetic beads. The beads are manufactured using nanometer-scale superparamagnetic iron oxide as core and entirely encapsulated by a high purity silica shell, ensuring no leaching problems with the iron oxide. Silica beads are polar positive phase adsorbents that retain polar molecules in the sample, particularly structurally related polar compounds. The surface of silica-modified magnetic beads can be chemically modified to carry different functional groups for other applications. The beads may also be used to purify DNA or RNA under high concentration of chaotropic salts.



Specificities	
Composition	Silica-coated iron oxide magnetic beads
Beads Size	~ 1.0 μm diameter
	~ 2.5 μm diameter
	~ 5.0 μm diameter
Magnetization	~45 EMU/g
Type of Magnetization	Superparamagnetic
Stability	pH 4-10; Temperature: 4°C -140°C; Most organic solvents
Effective Density	2.0 g/ml
Storage	Store at 4°C 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



Magnetic Beads Make Things Simple Instruction Manual

Cleavable Aldehyde-Activated Magnetic Beads	Streptavidin Magnetic Beads
Boronate Affinity Magnetic Beads	Cleavable Streptavidin Magnetic Beads
Monomer Avidin Magnetic Beads	