

Flexible and robust technology

Magnetic separation is increasingly used as a flexible and efficient tool in bioseparations. Gentle magnetic separation provides the opportunity to work with concentrated protein solutions throughout the isolation procedure, preserving both

large protein complexes and the native state of proteins. No columns or centrifugations are needed.

Dynabeads® bring reproducibility and robustness to your research.

Table 2. Select the optimal bead for your specific application.

Ligand	Target	Dynabeads® Epoxy	Dynabeads® Tosylactivated	Dynabeads® Carboxylic Acid	Dynabeads® Amine
Antibody	Low MW antigen ¹ or peptide	••	•••	••	••
	Protein or antibody ²	•••	•••	••	•
	Protein complex	•••	••	•	•
	Organelle	•• ³	••		
	Phage ¹	••	•••	••	••
	Virus	••	•••	••	••
	Bacteria		•••		
	Cells ⁴	•••	•••		
Antibody fragment	Phage ¹ or antibody	••	••	•••	•••
Protein	Phage ¹ or carbohydrate	•••	••	••	••
	Nucleic acid	•	•	•••	•
Peptide	Phage ¹ or antibody	••	••	•••	•••
Carbohydrate	Antibody	•		•	•••
Low MW antigen	Antibody	••	••	••	••
Nucleic acid, oligonucleotide, aptamer, PNA	Nucleic acid binding proteins ¹		•	••	• ⁵
	DNA, ¹ RNA, ¹ or PCR amplicons ¹			•••	• ⁵
Enzyme	Substrate or target for enzyme degradation	•••	••	•	•
Organic chemistry derivatization, including introduction of new functional groups		••	••	••	•••

••• Best product choice for listed ligand and target

•• Alternative choice for listed ligand and target

• Can be used for listed ligand and target

¹ Dynabeads® precoupled with streptavidin may be the best product choice.

² Dynabeads® Antibody Coupling Kit contains Dynabeads® M-270 Epoxy and buffers required for covalent coupling.

³ Dynabeads® M-450 Epoxy

⁴ Dynabeads® M-450 are recommended for isolation, activation, and expansion of cells.

⁵ Dynabeads® Amine are modified with an appropriate bifunctional crosslinker prior to immobilization of oligonucleotides.