

Mag Sepharose™ platform

Sample preparation made easy

Enrichment of target proteins and phosphorylated peptides

- Protein A Mag Sepharose
- Protein G Mag Sepharose
- NHS Mag Sepharose
- TiO₂ Mag Sepharose

Purification/screening of antibodies

- Protein A Mag Sepharose Xtra
- Protein G Mag Sepharose Xtra

Purification/screening of histidine tagged proteins

- His Mag Sepharose Ni

MagRack 6 for simple handling of magnetic beads

Features and benefits

- **Large size** (37-100 µm) dark black/gray color beads: easy to spot and collect bound target protein
- **Dense beads:** rapidly attracted to magnet
- **Hydrophilic:** less smearing and high protein recovery
- **Flexible:** protocols with elution conditions optimized for both electrophoresis and MS analysis



Protein recovery using Protein A Mag Sepharose beads

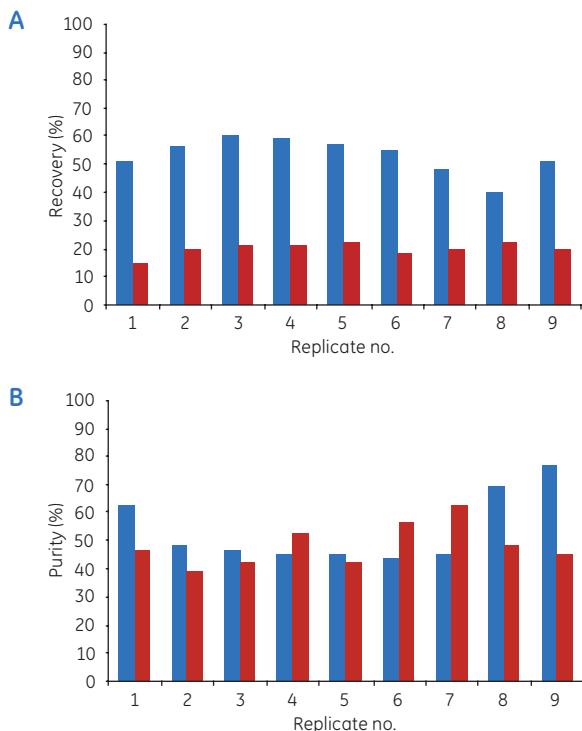


Fig A and B. Protein A Mag Sepharose (blue) displayed a significant higher recovery of transferrin; ~53% compared to Dynabeads™ Protein A (red); ~20%

Recovery and purity with His Mag Sepharose Ni beads

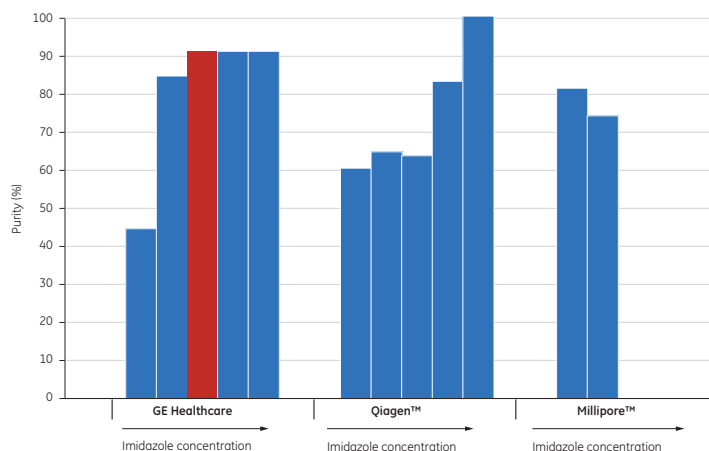


Fig C. Imidazole concentration in binding buffer needs to be optimized for every target protein to get the best balance between purity and recovery. His Mag Sepharose Ni has broad optimization range (20 - 60 mM) for Imidazole resulting in higher recovery and purity of this histidine-tagged protein at 40 mM imidazole.

Ordering information

Product	Quantity	Code no.
Protein A Mag Sepharose	1 × 500 µl	45-002-161
	4 × 500 µl	45-002-174
Protein A Mag Sepharose Xtra	2 × 1 ml	45-002-510
	5 × 1 ml	45-002-511
Protein G Mag Sepharose	1 × 500 µl	45-002-160
	4 × 500 µl	45-002-173
Protein G Mag Sepharose Xtra	2 × 1 ml	45-002-512
	5 × 1 ml	45-002-513
NHS Mag Sepharose	1 × 500 µl	45-002-159
	4 × 500 µl	45-002-172
TiO ₂ Mag Sepharose	1 × 500 µl	45-002-158
	4 × 500 µl	45-002-175
Mag Rack 6		45-002-170
His Mag Sepharose Ni	2 × 1 ml	45-002-514
	5 × 1 ml	45-002-515
	10 × 1 ml	45-002-516

To find out more about the complete GE Healthcare Sample Prep product range, visit www.gelifesciences.com/sampleprep



In the United States:
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 To fax an order, use 1-800-926-1166.
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 For customer service, call 1-800-234-7437.
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