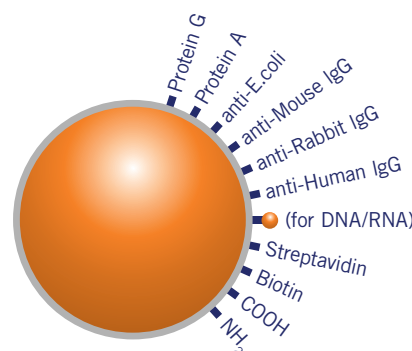


AbraMag[®] Magnetic Beads: Superior Quality, Best Market Value

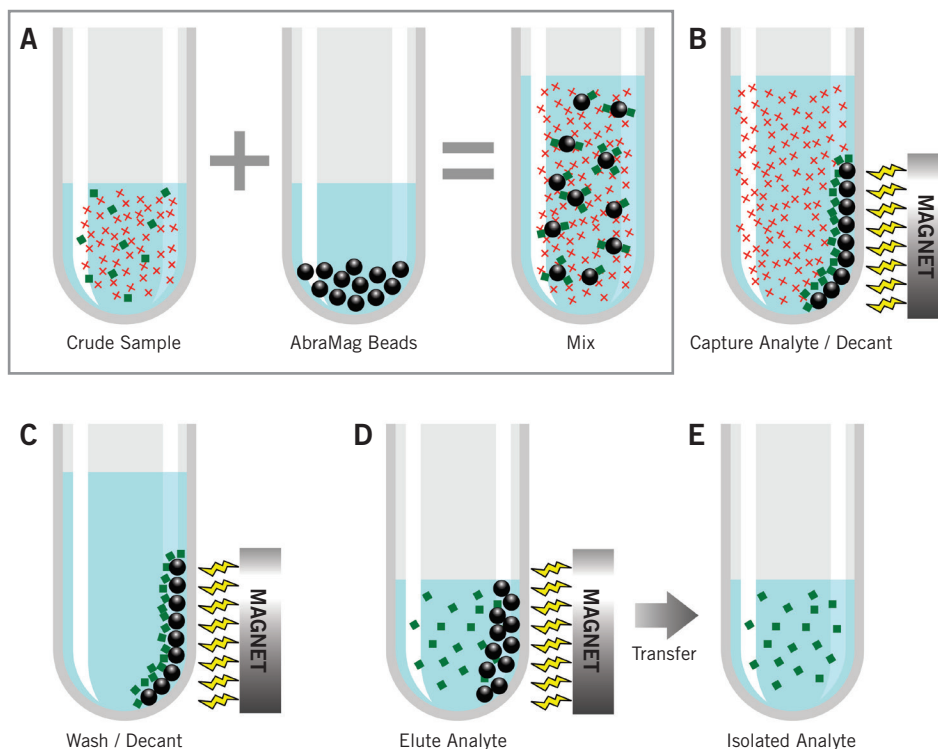
AbraMag Magnetic Beads are superparamagnetic, non-aggregating iron oxide particles for sample prep-, or **capturing / purifying** targets such as **proteins, antibodies, DNA/RNA**, cell and more. **AbraMag Magnetic Beads** design enables faster binding kinetics, with high sensitivity & selectivity, in many biomedical and research applications - including automated HTS and manual applications.



Superior yield, purity, and quality, all at a better value, because we design and manufacture them in-house.

- **Multiple Advantages** – Over conventional methods (columns, centrifugation).
- **Superior Performance** – Designed to compare favorably with the competition.
- **Superior Capacity and Yield** – High binding capacity for rapid and efficient target purification.
- **Superior Purity** – Stable, pre-blocked beads provide clean purification even from complex samples.
- **Customizable** – We can modify or create to suit your needs.

SUPERIOR YIELD AND PURITY • BEST VALUE



AbraMag workflow: (A) Mix AbraMag beads (black spheres) with crude sample (red Xs) containing desired analyte (green squares); (B) capture analyte-bound beads with magnet; (C) wash away crude sample components; (D) elute analyte from beads; (E) transfer to new tube.

Why Magnetic Beads?

Magnetic beads present multiple advantages over other purification methods (precipitation/centrifugation, columns, plate-immobilized ligands or antibodies)

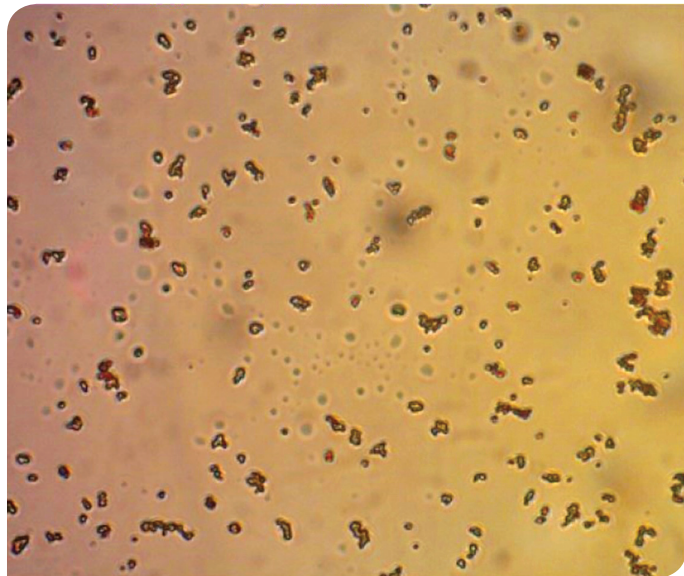
- Less expensive
- Faster (an hour or less) and simpler
- Greater yield and purity
- No cross-contamination from aerosols
- More consistent results
- Gentler: no shear forces, no centrifugation
- No columns to clog
- No expensive equipment
- Works for a range of sample volumes
- Easily adapted to different sample types
- Ideal for automation



Why AbraMag® Beads?

AbraMag magnetic beads are designed and manufactured in-house using a unique method.

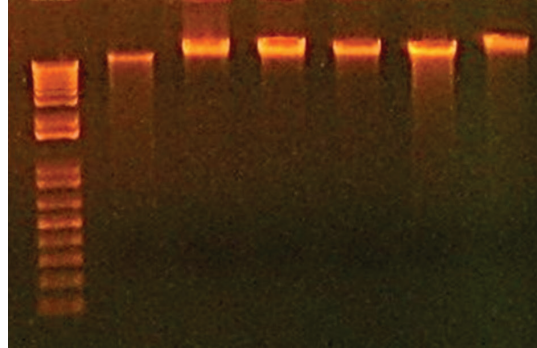
- Better value
- Superior binding capacity
- More stable binding (analyte won't 'leak' off)
- Superior yield
- Equal or superior purity of target analyte
- Small size, irregular surface but non-porous particles mean high surface area for binding analyte, without trapping contaminants
- Immediate, expert technical service
- Custom beads and magnetic separators available



*AbraMag Magnetic Beads,
450X magnification*

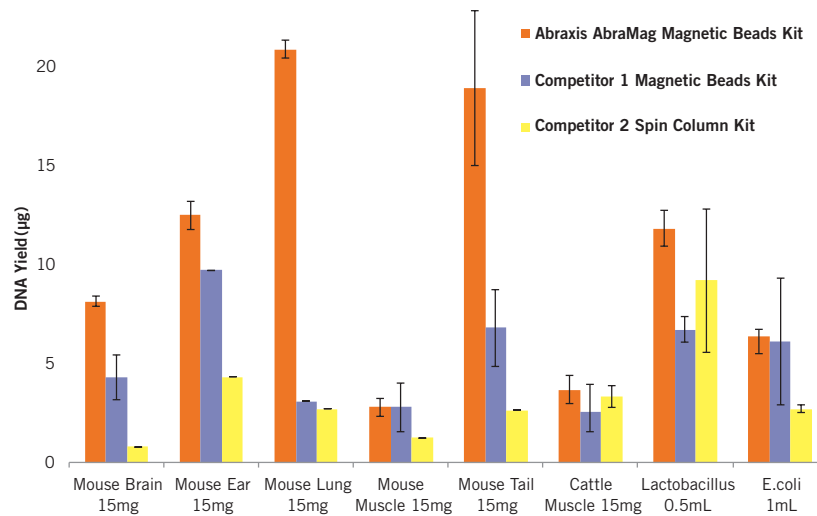
AbraMag® Spotlight: Genomic DNA Purification

The **AbraMag** Genomic DNA Magnetic Beads Kit is designed to extract and purify genomic DNA from tissues and bacteria (gram-positive and -negative). The paramagnetic beads efficiently bind DNA, and elution results in high yields and high quality DNA with minimal RNA, proteins, nucleases, and other cellular contaminants. The protocol can be easily customized to optimize sample yield and quality depending on the sample type.

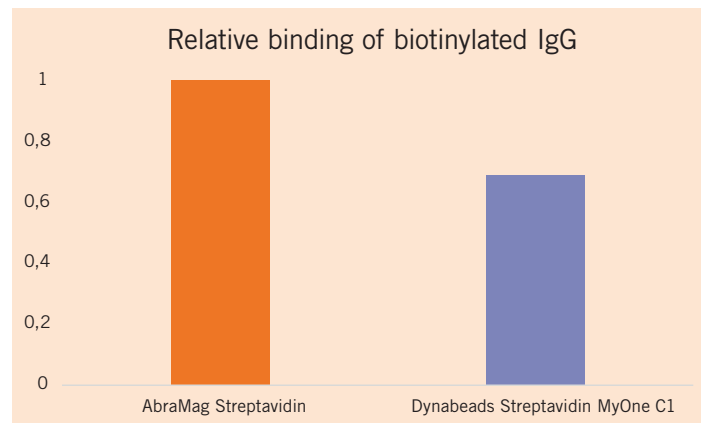


Genomic DNA (beef; mouse brain, ear, lung, tail; E.coli)

DNA Yield: **AbraMag** vs. competitor kits

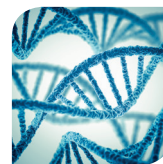


AbraMag Spotlight: Streptavidin / Biotin Purification



AbraMag Streptavidin beads bind more biotinylated IgG than Dynabeads MyOne C1. (beads normalized by mass).

AbraMag[®] Products Available



| Magnetic Beads | Size (mL) | Part Number |
|---|-----------|----------------|
| Amine Magnetic Beads, 2.5% | 2, 5 | 544080, 544081 |
| Carboxyl Magnetic Beads, 2.5% | 2, 5 | 544085, 544086 |
| Anti-Human IgG Magnetic Beads, 5 mg/mL | 4, 20 | 544060, 544061 |
| Anti-Mouse IgG Magnetic Beads, 5 mg/mL | 4, 20 | 544020, 544021 |
| Anti-Rabbit IgG Magnetic Beads, 5 mg/mL | 4, 20 | 544010, 544011 |
| Protein A Magnetic Beads, 5 mg/mL | 2, 5 | 544030, 544031 |
| Protein G Magnetic Beads, 5 mg/mL | 2, 5 | 544040, 544041 |
| Streptavidin Magnetic Beads, 5 mg/mL 2, 5 | 2, 5 | 544050, 544051 |
| Biotin Magnetic Beads, 5 mg/mL | 2, 5 | 544000, 544001 |
| DNA Purification Magnetic Beads, 12 mg/ml | 1 | 544090 |
| Silica Magnetic Beads 75 mg/mL | 1 | 544110 |
| Silica Magnetic Beads, 25 mg/mL | 250 | 544115 |

Sample sizes and custom bottling are also available

| Magnetic Bead Purification Kits | Size (Samples) | Part Number |
|---|----------------|------------------------|
| Protein A Magnetic Beads Purification Kit | 20 | 555000 |
| Protein G Magnetic Beads Purification Kit | 20 | 555010 |
| Genomic DNA Magnetic Purification Kit | 100, 960 | 555020, 555045 |
| Clean-Up and Size Select Magnetic Beads | 5, 60, 450 mL | 544100, 544103, 544106 |

| Magnetic Separators | Part Number |
|---|-------------|
| Magnetic Separation System, (60 position), 12 X 75 mm tubes | 472231 |
| Microtiter Plate Separator, (96T), Side pull | 472235 |
| Microtiter Plate Separator, (96T), Bottom pull | 472236 |
| Flask Magnetic Separator | 472240 |
| Magnetic Separator, 6 X 50 ml tubes | 472291 |
| 15/50 mL Tube Magnetic Separator | 472250 |
| Multi-6 Microcentrifuge Tube Magnetic Separator | 472260 |
| Solo Microcentrifuge Tube Magnetic Separator | 472270 |
| Multi-Purpose Magnetic Separator (15/50/microcentrifuge tube) | 472280 |
| Microcentrifuge Tube Magnetic Separator (32 position) | 472287 |

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Abraxis