

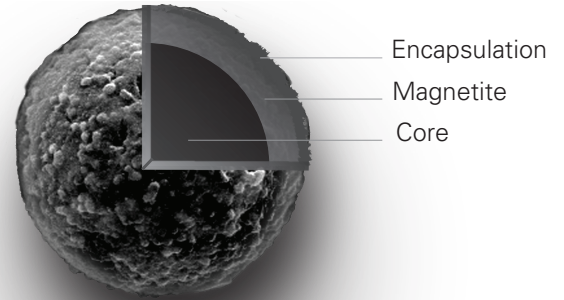
Magnefy™

Catalog Numbers: 26410, 26444

DESCRIPTION

Meet Magnefy™, our ~1µm high-performance superparamagnetic microspheres. As high surface area / high surface titer microparticles with a rapid separation profile, Magnefy offer a performance-driven solid phase for magnetic particle-based applications, including SPRI-based total DNA isolation (COOH), and ligand-coated for molecular- and immunoassays.

Magnefy particles comprise a synergistic system featuring ~1µm spheroid particles with tremendous surface area for assays and isolations. The Magnefy system offers uniform magnetic separations, and is scalable and automation-friendly. COOH and streptavidin surface functionalities are available.



CHARACTERISTICS

Mean Diameter: ~1µm
 Functionality / Surface: COOH, ~500µeq/g microspheres
 SA, ~5µg biotin-FITC / mg microspheres
 Concentration: COOH, 5% solids:
 (50mg/mL) in DI water + 0.05%NaN₃
 SA, 1% solids:
 (10mg/mL) 50mM Tris + 150mM NaCl +
 ~0.2% Stabilizers + 0.05% NaN₃
 Magnetite: ~40%

STORAGE AND STABILITY

Store at 2-8°C. Freezing of particles may result in irreversible aggregation and loss of binding activity. Ensure that the suspension is well dispersed prior to use, as particles are expected to settle during storage.

SAFETY

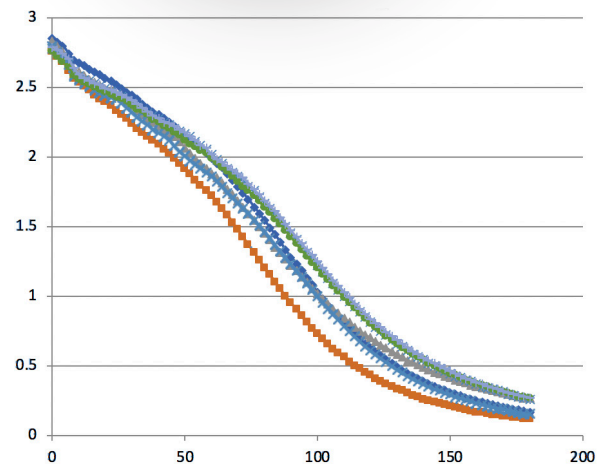
Particle suspensions contain sodium azide. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Upon disposal of material, flush with a large volume of water to prevent azide accumulation. Please consult the Safety Data Sheet for more information.

This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.

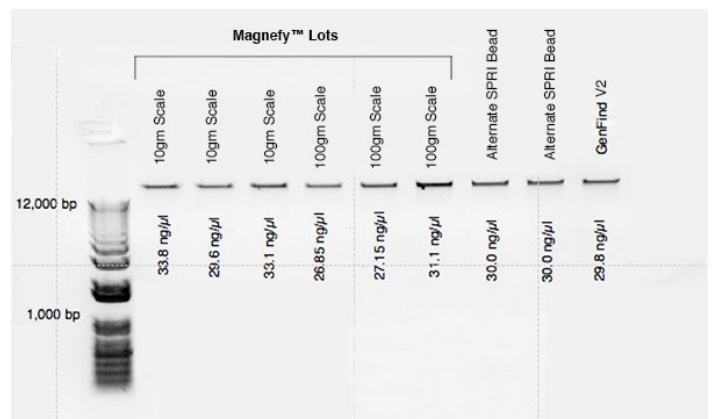
ORDERING INFORMATION

| Cat. # | Description |
|--------|-----------------------|
| 26410 | Magnefy™ COOH |
| 26444 | Magnefy™ Streptavidin |

Magnetic separation in Magnefy COOH



SPRI-based DNA isolation using Magnefy COOH



Visit Polysciences.com any time to place an order.