

# Magnefy™ Magnetic Microspheres

## DESCRIPTION

Meet the newest addition to our family of magnetic particles—Magnefy™ ~1µm carboxylated superparamagnetic microspheres. As high surface area / high surface titer microparticles with a rapid separation profile, Magnefy offer an additional performance-driven solid phase for magnetic particle-based assays and isolations, particularly SPRI-based total DNA isolation.

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 scaleable and automation-friendly.

## CHARACTERISTICS

Mean Diameter: ~1µm  
Functionality / Surface: COOH, ~500µeq/g  
Concentration: 5% solids (50mg/mL) in DI water + 0.05%NaN<sub>3</sub>  
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

All 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

<b>Cat. Number</b>	<b>Description</b>	<b>Size</b>
26410	Magnefy™ • COOH	5, 10, 25 or 100mL

