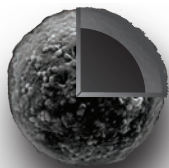


## DESCRIPTION

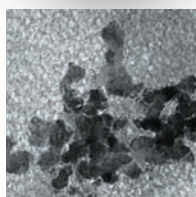
Our many magnetic particle products uniquely address a wide range of applications in the life sciences, including cell isolations, affinity purifications, immunoassays, and molecular assays. For development efforts, our Magnetic Particle Sampler Packs allow you to test different particles to find which yield optimal performance characteristics in your specific system.



### Magnefy™

**Diameter:** ~1µm, **Matrix:** Polymer **Shape:** Spherical **Versions:** COOH, Streptavidin

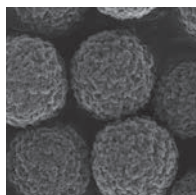
Meet Magnefy™, our ~1µm high-performance superparamagnetic microspheres. As high surface area / high surface titer microparticles with a rapid separation profile, Magnefy offer a performance-driven solid phase for magnetic particle-based applications, including SPRI-based total DNA isolation (COOH),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



### BioMag®Plus

**Diameter:** ~1.5µm **Matrix:** Silanized iron oxide **Density (g/cm³):** 2.5 **Shape:** Irregular, cluster **Versions:** COOH, Streptavidin

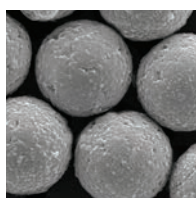
BioMag Plus are ~1.5µm high-performance superparamagnetic microparticles widely used in assays and for the efficient separation of cells and purification of proteins or other biomolecules. Their irregular morphology provides much greater surface area than similarly-sized spherical particles, resulting in high binding capacities and efficient capture of target with conservative use of particles. The high iron oxide content allows for rapid and efficient magnetic separations, even from difficult, e.g. highly viscous, samples.



### ProMag®

**Diameter:** ~1µm **Matrix:** Polymer **Density (g/cm³):** 1.8 **Shape:** Spherical **Versions:** COOH, Streptavidin

ProMag 1 Series microspheres from our original ProMag line offer high surface area, fast and uniform separations and a hydrophilic surface. They have been used in magnetic particle assays, and for precision isolations.



### ProMag® HP

**Diameter:** ~3µm **Matrix:** Polymer **Density (g/cm³):** 1.4 **Shape:** Spherical **Versions:** COOH, Streptavidin

ProMag HP 3 Series microspheres have a highly optimized composition that offers superior handling and fast separation rates in addition to lowest autosignal, particularly with respect to chemiluminescence and exposed iron. They offer the most hydrophilic surface for low NSB and precise capture of target.

## STORAGE AND STABILITY

Store at 2-8°C. Freezing or drying particles may result in irreversible aggregation and loss of binding activity. Centrifugation and sonication are not recommended for BioMagPlus. Expiration dates are not assigned to uncoated products; streptavidin coated particles have an expiration date that is 12 months from the date of shipment.

## SAFETY

These particle suspensions may 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 SDS for more information.

## RELATED LITERATURE

For more individual product information see *PDS 756 Magnefy™*, *PDS 715 ProMag®*, *PDS 743 ProMag®HP*, *PDS 618 BioMag®Plus Carboxyl* and *PDS 621 BioMag®Plus Streptavidin*. General covalent coating protocols are provided in *TN205 Covalent Coupling* and *PDS 644, PolyLink Protein Coupling Kit for COOH Microspheres*. General binding protocols that may be used as a starting point for optimization are provided in *TN101 Affinity Ligand Microspheres* as well as *PDS 721 Affinity Ligand Streptavidin Coated Microspheres*. For additional information, see the Tech Support section of our website.

**These products are for research use only and are not intended for use in humans or for *in vitro* diagnostic use.**

## **ORDERING INFORMATION**

### **Cat. Number Description**

21940 Carboxyl Magnetic Sampler Pack (includes:  
MFY0002, Magnefy™ 1 COOH - 5mL (5% solids) 50mg /mL  
PMC1N, ProMag Series 1 COOH - 5mL (2.5% solids) 25mg /mL  
PMC3HP, ProMag HP 3µm COOH - 5mL (2.5% solids) 25mg /mL  
BP618, BioMagPlus COOH - 5mL (2% solids) 20mg / mL

### **Cat. Number Description**

21950 Streptavidin Magnetic Sampler Pack (includes:  
MFYS1N, Magnefy™ 1 SA - 1mL (1% solids) 10mg /mL  
PMS1N, ProMag 1 Series SA - 1mL (1% solids) 10mg /mL  
PMS3HP, ProMag HP 3µm SA - 1mL (1% solids) 10mg /mL  
BP628, BioMagPlus SA - 2mL (0.5% solids) 5mg / mL

Order online anytime at [www.bangslabs.com](http://www.bangslabs.com).