

## DESCRIPTION

ProMag® are highly uniform polymer-based magnetite spheres available in diameters of 1µm and 3µm. A hydrophilic surface means low nonspecific binding in protein-based systems, and superior handling without the use of surfactant. These high-binding beads are suitable for use across a range of research and diagnostic applications, whether you're working at laboratory scale or have the more stringent requirements of high throughput applications. You'll get noticeably decreased separation times, without breaking the bank!

## CHARACTERISTICS

Mean Diameter: 1µm or 3µm  
 Density: ~1.8 g/cm<sup>3</sup> (1µm), ~1.6 g/cm<sup>3</sup> (3µm)  
 % Solids: 2.5% (COOH, NH<sub>2</sub>, Bind-IT™), 1.0% (Streptavidin, Protein G)

## STORAGE AND STABILITY

Store at 2-8°C. Freezing of particles may result in irreversible aggregation and loss of binding activity. For the streptavidin version an expiration date that is 12 months from the date of shipment is assigned; stability testing continues through 36 months from date of manufacture.

## SAFETY

All particle suspensions except Bind-IT™ 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 Sheets 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. Code	Description	Size
PMC1N	ProMag® 1 Series • COOH Surfactant-free	5mL or 25mL
PMC3N	ProMag® 3 Series • COOH Surfactant-free	5mL or 25mL
PMA3N	ProMag® 3 Series • Amine	5mL or 25mL
PMS1N	ProMag® 1 Series • Streptavidin	1mL, 2mL, 5mL, or 10mL
PMS3N	ProMag® 3 Series • Streptavidin	1mL, 2mL, 5mL, or 10mL
PMB1N	ProMag® 1 Series • Bind-IT™	2mL, 5mL, or 10mL
PMB3N	ProMag® 3 Series • Bind-IT™	2mL, 5mL, or 10mL
PMG3N	ProMag® 3 Series • Protein G	1mL, 2mL, 5mL, or 10mL

## RELATED PRODUCTS

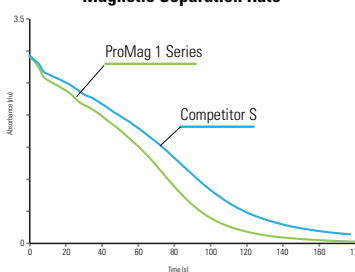
Cat. Code	Description	Size
PMC3HP	ProMag® HP 3 Series • COOH Surfactant-free	5mL, 25mL
PMS3HP	ProMag® HP 3 Series • Streptavidin Surfactant-free	1mL, 2mL, 5mL, or 10mL

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

## RELATED LITERATURE

TN101	Affinity Ligand Microspheres
TN205	Covalent Coupling
PDS 721	Streptavidin Coated Microspheres
PDS 722	Protein A & G Coated Microspheres

**Magnetic Separation Rate**



**Magnetic Separation Rate**

