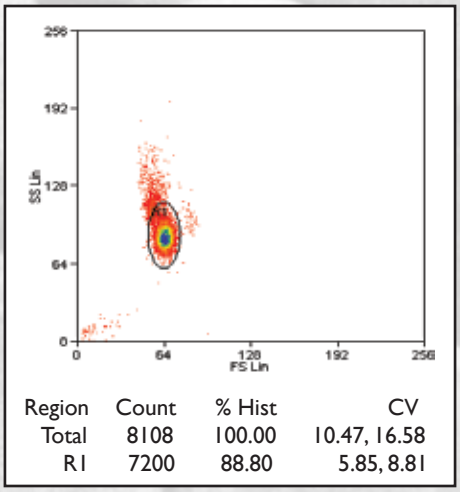

# SPHERO™ Magnetic Microparticles

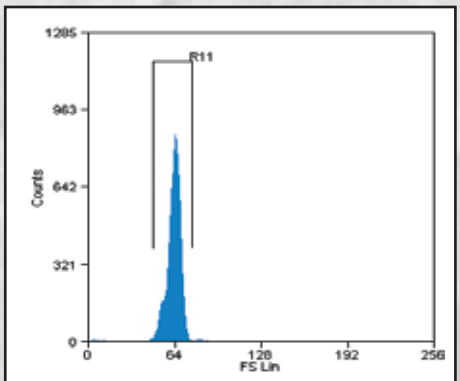
A solid foundation for your biomedical and diagnostic assays

Paramagnetic Microparticles from 0.3 to 200 microns

- SPHERO™ Magnetic Microparticles provide high quality and reproducible results for your application
- Allow for rapid and reliable binding between the target and magnetic
- Consists of a uniform, monodispersed surface for optimal performance




| Region | Count | % Hist | CV |
|---|---|---|---|
| Total | 8108 | 100.00 | 10.47, 16.58 |
| R1 | 7200 | 88.80 | 5.85, 8.81 |




| Region | CV | Mean | Median |
|---|---|---|---|
| Total | 5.85 | 64.30 | 64.00 |
| R11 | 5.84 | 64.30 | 64.00 |

Histograms of highly uniform 8 µm Carboxyl Magnetic Particles with a high singlet bead population

To learn more about Spherotech Magnetic Particles visit us online

*www.spherotech.com*

27845 Irma Lee Circle, Unit 101
Lake Forest, IL 60045-5100
(847) 680-8922 fax (847) 680-8927

Spherotech

Spherotech
Let the Possibilities Flow

# SPHERO™ Magnetic Particles

**SPHERO™ Paramagnetic Particles**

- Prepared using a patented procedure
- Manufactured by coating a layer of iron oxide and polystyrene onto polystyrene core particles
- Uniform in size, spherical in shape
- Separated using a magnet and resuspended when removed from the magnetic field
- Used for cell separation, affinity purification, DNA probe assays, magnetic particle EIA, etc.

**SPHERO™ Smooth Surface Magnetic Particles**

- Consists of a thick layer of polymer coating on the surface to encapsulate the iron oxide coating
- Has no exposed iron oxide on the surface
- Used in applications where exposed iron oxide causes undesirable interferences

## SPHERO™ Magnetic Polystyrene Particles

| Particle Type and Surface | Size, µm | % w/v | Catalog No. | Unit |
|---|---|---|---|---|
| Magnetic Polystyrene | 2.0-2.9 | 2.5 | PM-20-10 | 10 mL |
| Magnetic Polystyrene | 2.0-2.9 | 2.5 | PM-20-100 | 100 mL |
| Magnetic Polystyrene | 3.0-3.9 | 2.5 | PM-30-10 | 10 mL |
| Magnetic Polystyrene | 3.0-3.9 | 2.5 | PM-30-100 | 100 mL |
| Magnetic Polystyrene | 4.0-4.5 | 2.5 | PM-40-10 | 10 mL |
| Magnetic Polystyrene | 4.0-4.5 | 2.5 | PM-40-10 | 100 mL |
| Magnetic Polystyrene | 5.0-5.9 | 2.5 | PM-50-10 | 10 mL |
| Magnetic Polystyrene | 5.0-5.9 | 2.5 | PM-50-100 | 100 mL |

## SPHERO™ Carboxyl Magnetic Particles

| Particle Type and Surface | Size, µm | % w/v | Catalog No. | Unit |
|---|---|---|---|---|
| Carboxyl Magnetic | 0.1-0.39 | 2.5 | CM-025-10 | 10 mL |
| Carboxyl Magnetic | 0.4-0.69 | 2.5 | CM-05-10 | 10 mL |
| Carboxyl Magnetic | 0.7-0.9 | 2.5 | CM-08-10 | 10 mL |
| Carboxyl Magnetic | 1.0-1.4 | 2.5 | CM-10-10 | 10 mL |
| Carboxyl Magnetic | 1.0-1.4 | 2.5 | CM-10-100 | 100 mL |
| Carboxyl Magnetic | 1.5-1.9 | 2.5 | CM-15-10 | 10 mL |
| Carboxyl Magnetic | 1.5-1.9 | 2.5 | CM-15-100 | 100 mL |
| Carboxyl Magnetic | 2.0-2.9 | 2.5 | CM-20-10 | 10 mL |
| Carboxyl Magnetic | 2.0-2.9 | 2.5 | CM-20-100 | 100 mL |
| Carboxyl Magnetic | 3.0-3.9 | 2.5 | CM-30-10 | 10 mL |
| Carboxyl Magnetic | 3.0-3.9 | 2.5 | CM-30-100 | 100 mL |
| Carboxyl Magnetic | 4.0-4.5 | 2.5 | CM-40-10 | 10 mL |
| Carboxyl Magnetic | 4.0-4.5 | 2.5 | CM-40-100 | 100 mL |
| Carboxyl Magnetic | 5.0-5.9 | 2.5 | CM-50-10 | 10 mL |
| Carboxyl Magnetic | 6.0-8.0 | 2.5 | CM-60-10 | 10 mL |
| Carboxyl Magnetic | 6.0-8.0 | 2.5 | CM-60-100 | 100 mL |
| Carboxyl Magnetic | 8.0-9.9 | 2.5 | CM-80-10 | 10 mL |
| Carboxyl Magnetic | 10.0-14.0 | 1.0 | CM-100-10 | 10 mL |
| Carboxyl Magnetic | 14.0-17.9 | 1.0 | CM-150-10 | 10 mL |
| Carboxyl Magnetic | 18.0-22.9 | 1.0 | CM-200-10 | 10 mL |

## SPHERO™ Magnetic Polystyrene Particles, Smooth Surface

| Particle Type and Surface | Size, µm | % w/v | Catalog No. | Unit |
|---|---|---|---|---|
| Magnetic Polystyrene , Smooth Surface | 2.0-2.9 | 2.5 | PMS-20-10 | 10 mL |
| Magnetic Polystyrene , Smooth Surface | 2.0-2.9 | 2.5 | PMS-20-100 | 100 mL |
| Magnetic Polystyrene , Smooth Surface | 3.0-3.9 | 2.5 | PMS-30-10 | 10 mL |
| Magnetic Polystyrene , Smooth Surface | 4.0-5.0 | 2.5 | PMS-40-10 | 10 mL |
| Magnetic Polystyrene , Smooth Surface | 4.0-5.0 | 2.5 | PMS-40-100 | 100 mL |

## SPHERO™ Carboxyl Magnetic Particles, Smooth Surface

| Particle Type and Surface | Size, µm | % w/v | Catalog No. | Unit |
|---|---|---|---|---|
| Carboxyl Magnetic, Smooth Surface | 3.0-3.9 | 2.5 | CMS-30-10 | 10 mL |
| Carboxyl Magnetic, Smooth Surface | 3.0-3.9 | 2.5 | CMS-30-100 | 100 mL |
| Carboxyl Magnetic, Smooth Surface | 4.0-5.0 | 2.5 | CMS-40-10 | 10 mL |
| Carboxyl Magnetic, Smooth Surface | 4.0-5.0 | 2.5 | CMS-40-100 | 100 mL |
| Carboxyl Magnetic, Smooth Surface | 8.0-9.9 | 1.0 | CMS-80-10 | 10 mL |

**27845 Irma Lee Circle, Unit 101, Lake Forest, IL 60045**
**Tel.: 800-368-0822 or 847-680-8922; Fax: 847-680-8927; E-Mail: service@spherotech.com**
**Visit us on the web at *http://www.spherotech.com***