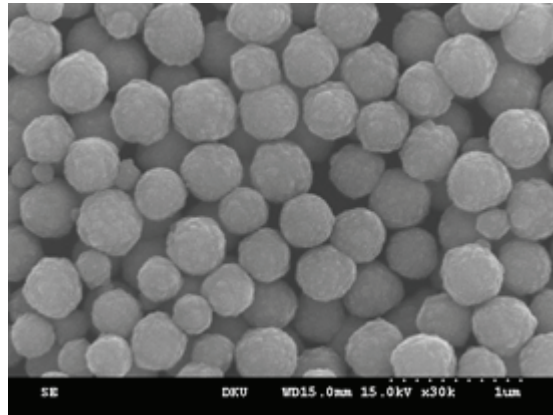


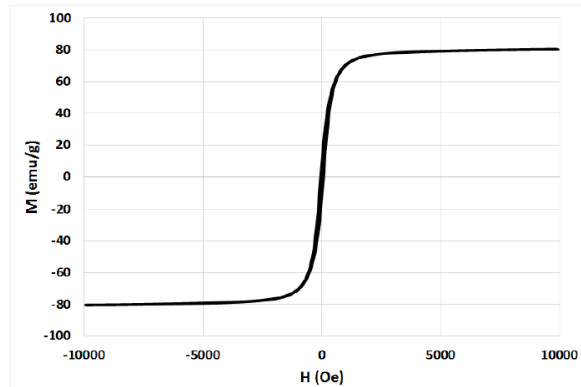
SPHERO™ High Iron Nano Superparamagnetic Particles

- Superparamagnetic nanospheres with ~40% iron and superior stability for coupling to nucleic acids, proteins, and antibodies
- Allows for rapid and reliable cell isolations from whole blood without extensive sample preparation
- Provides an uniform, monodispersed surface with high magnetic susceptibility
- Available with a variety of surface chemistries for stable binding and optimal orientation of biomolecules

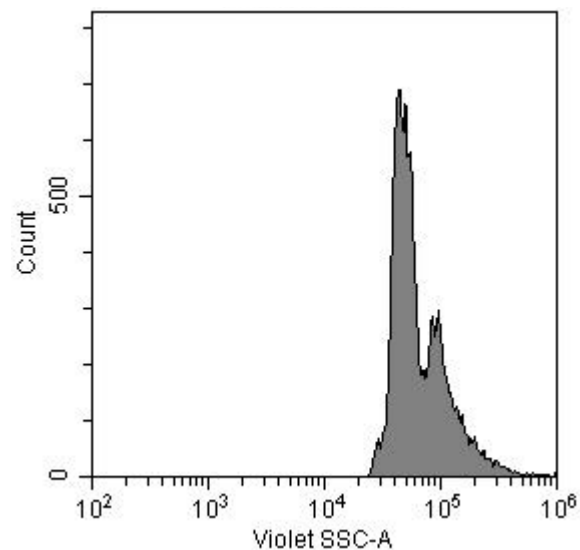


SEM analysis of CM-05-10H

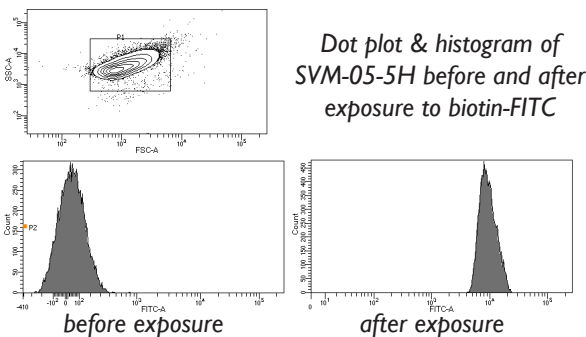
Particle Type and Surface	Size, μm	% w/v	Catalog No.	Unit
Carboxyl Magnetic, High Iron	0.1-0.39	1.0	CM-025-10H	10 mL
Carboxyl Magnetic, High Iron	0.1-0.39	1.0	CM-025-100H	100 mL
Carboxyl Magnetic, High Iron	0.4-0.69	1.0	CM-05-10H	10 mL
Amino Magnetic, High Iron	0.1-0.39	1.0	AM-025-10H	10 mL
Amino Magnetic, High Iron	0.4-0.69	1.0	AM-05-10H	10 mL
Streptavidin Magnetic, High Iron	0.1-0.39	0.5	SVM-025-5H	5 mL
Streptavidin Magnetic, High Iron	0.4-0.69	0.5	SVM-05-5H	5 mL
Protein A Magnetic, High Iron	0.1-0.39	0.5	PAM-025-5H	5 mL
Protein A Magnetic, High Iron	0.4-0.69	0.5	PAM-05-5H	5 mL
Fluorescent Carboxyl Magnetic Particles, High Iron, Yellow	0.1-0.39	0.1	FCM-02552-2H	2 mL
Fluorescent Carboxyl Magnetic Particles, High Iron, Pink	0.1-0.39	0.1	FCM-02558-2H	2 mL
Fluorescent Carboxyl Magnetic Particles, High Iron, Yellow	0.4-0.69	0.5	FCM-0552-2H	2 mL



Hysteresis analysis of CM-05-10H



Histogram of CM-05-10H using a Beckman Coulter CytoFLEX LX using Violet Side Scatter for detection



Dot plot & histogram of SVM-05-5H before and after exposure to biotin-FITC