

## SPHERO™ Coated Magnetic Fluorescent Particles

### SPHERO™ Biotin Coated Magnetic Fluorescent Particles

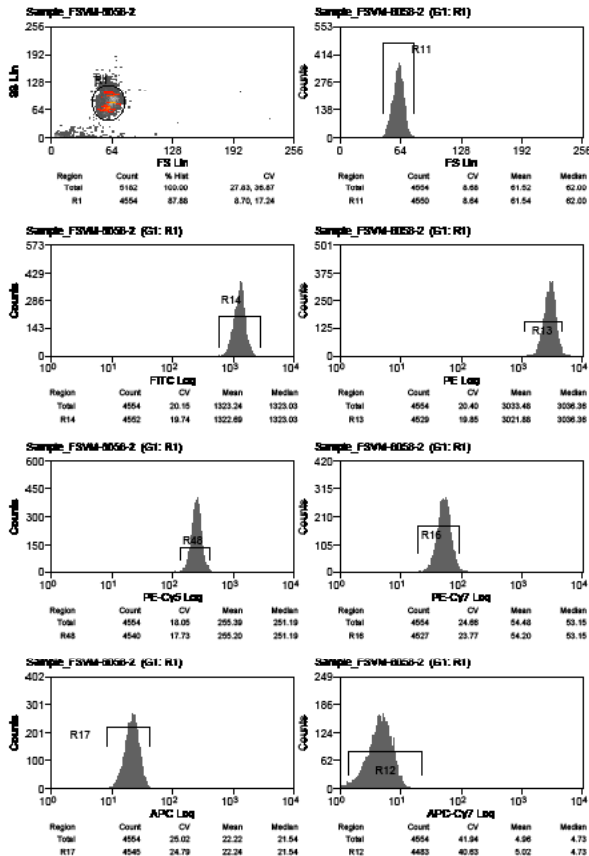
- Offering both Biotin and Streptavidin coated paramagnetic fluorescent particles.

Particle Type and Surface	Size, $\mu\text{m}$	% w/v	Catalog No.	Unit
Biotin, Fluorescent Nile Red	4.0-4.9	0.1	TFM-4056-5	5 mL

- Reference Page 88 for more detailed technical information and coating procedures.
- Reference Fluorescent Particle Page 14 for the excitation and emission spectra of the fluorophores used to produce the SPHERO™ Coated Magnetic Fluorescent Microparticles.

### SPHERO™ Streptavidin Coated Magnetic Fluorescent Particles

**Figure 114** Histograms of FSVM-8058-2, No. Lot Z01 (Streptavidin Coated Fluorescent Magnetic Particles, Pink, 0.1% w/v, 8.84  $\mu\text{m}$ , 2 mL).



Particle Type and Surface	Size, $\mu\text{m}$	% w/v	Catalog No.	Unit
Streptavidin, Fluorescent Yellow, High iron	0.2-0.39	0.1	FSVM-02552-2H	2 mL
Streptavidin, Fluorescent Nile Red	0.2-0.39	0.1	FSVM-02556-2	2 mL
Streptavidin, Fluorescent Yellow, High Iron	0.4-0.69	0.1	FSVM-0552-2H	2 mL
Streptavidin, Fluorescent Pink	1.0-1.4	0.1	FSVM-1058-2	2 mL
Streptavidin, Fluorescent UV/Light Yellow	2.0-2.9	0.1	FSVM-2042-2	2 mL
Streptavidin, Fluorescent Pink	2.0-2.9	0.1	FSVM-2058-2	2 mL
Streptavidin, Fluorescent Yellow	8.0-9.9	0.1	FSVM-8052-2	2 mL
Streptavidin, Fluorescent Pink	8.0-9.9	0.1	FSVM-8058-2	2 mL

- Reference Page 67 for an example streptavidin coated fluorescent magnetic particles used during a magnetic separation
- Reference Page 68 for a list of the magnetic separators that can be used with coated fluorescent magnetic separators.

### SPHERO™ Protein A Coated Magnetic Fluorescent Particles

- Reference Page 74 for the binding strength of Protein A to immunoglobulins from different species.

Particle Type and Surface	Size, $\mu\text{m}$	% w/v	Catalog No.	Unit
Protein A, Fluorescent Yellow	90-105	0.1	FPAM-100052-4	4 mL
Protein A, Fluorescent Yellow	180-210	0.1	FPAM-200052-4	4 mL