

SPHERO™ Silica Particles

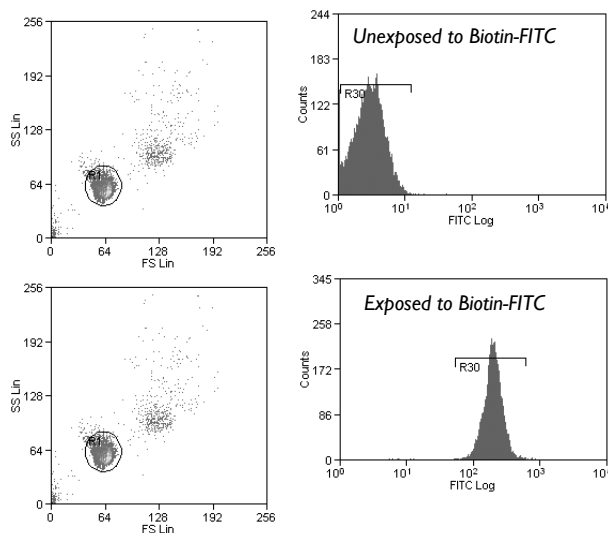
- Excellent tool for isolation of nucleic acids
- Available in bulk quantities on an OEM basis
- Flexible silanization chemistries
- Unique refractive index and density
- Low autofluorescence and low nonspecific binding of many biomolecules
- Suitable for applications over 1000°C
- Wide range of solvent compatibility.

SPHERO™ Silica Particles

Particle Type and Surface	Size, μm	% w/v	Catalog No.	Unit
Silica	0.4-0.6	5.0	SIP-05-10	10 mL
Silica	1.0-1.4	5.0	SIP-10-10	10 mL
Silica	1.5-1.9	5.0	SIP-15-10	10 mL
Silica	3.0-3.9	5.0	SIP-30-10	10 mL
Silica	6.0-8.0	5.0	SIP-60-10	10 mL

SPHERO™ Streptavidin Silica Particles

Particle Type and Surface	Size, μm	% w/v	Catalog No.	Unit
Streptavidin Silica	0.4-0.6	1.0	SVSIP-05-5	5 mL
Streptavidin Silica	1.0-1.4	1.0	SVSIP-10-5	5 mL
Streptavidin Silica	1.5-1.9	1.0	SVSIP-15-5	5 mL
Streptavidin Silica	3.0-3.9	1.0	SVSIP-30-5	5 mL
Streptavidin Silica	6.0-8.0	1.0	SVSIP-60-5	5 mL

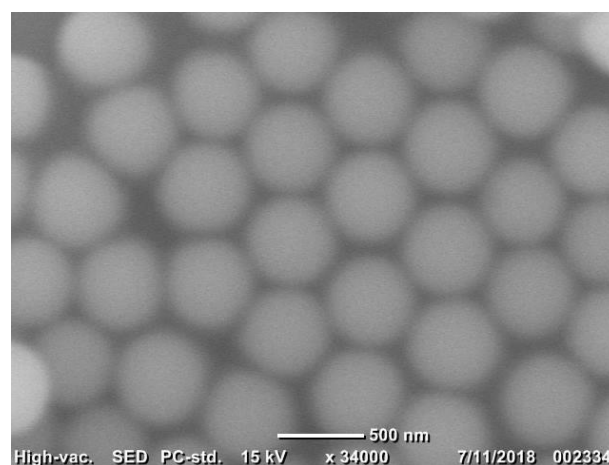
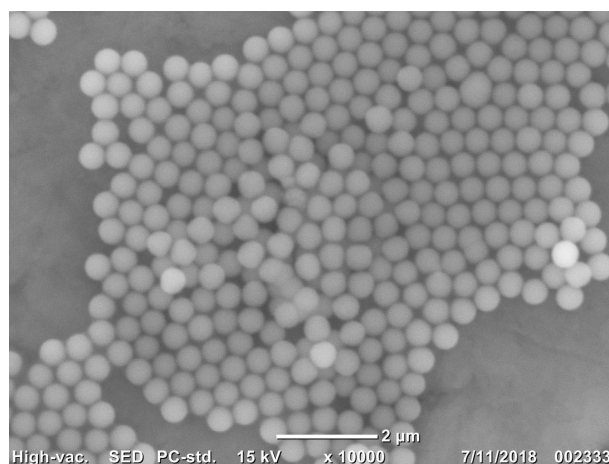


Dot plot and histograms of
Cat. No. SVSIP-30-5 Unexposed vs. Exposed to Biotin-FITC

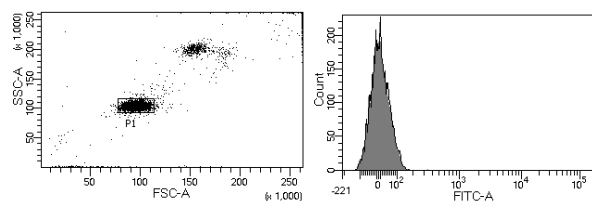
SPHERO™ Amino Silica Particles

- Contains primary amines for covalent coupling with electrophilic groups
- React with a number of functional groups such as succinimidyl NHS ester, COOH and many others

Particle Type and Surface	Size, μm	% w/v	Catalog No.	Unit
Amino Silica	0.4-0.6	5.0	ASIP-05-10	10 mL
Amino Silica	1.0-1.4	5.0	ASIP-10-10	10 mL
Amino Silica	1.5-1.9	5.0	ASIP-15-10	10 mL
Amino Silica	3.0-3.9	5.0	ASIP-30-10	10 mL
Amino Silica	6.0-8.0	5.0	ASIP-60-10	10 mL



SEM photos of SIP-10-10, 1.23 μm



Dot plot and histograms of SIP-15-10