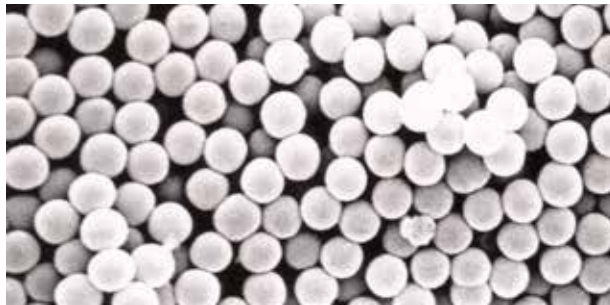


SPHERO™ Silica Particles

- Excellent mechanical strength
- Low thermal stress
- Very low cation and water content
- Allows excellent light transmission from UV to near IR.

SPHERO™ Silica Particles are non-porous, spherical in shape and very uniform in size as shown in the SEM photo below. The silica particles are heavier than polystyrene particles with a density of 1.96 g/cm³ and can withstand temperatures of up to 1000 °C. They have been used to adsorb DNA and RNA from cell lysates.

Figure 17 SEM photo of Cat. No. SIP-10-10, 1.23 µm, 1000X.



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	3.0-3.4	5.0	SIP-30-10	10 mL

Figure 18 Histogram of SPHERO™ Cat. No. SIP-05-10, 0.56 µm Silica Particles from the NICOMP Laser Particle Sizer.

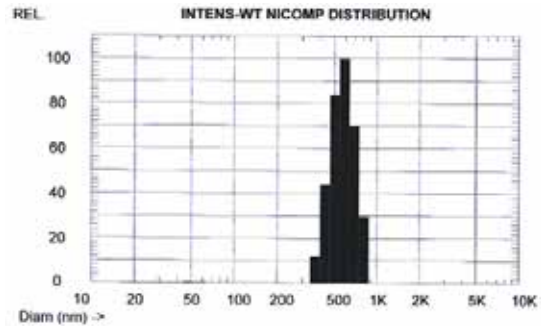


Figure 19 Histograms of Cat. No. SIP-15-10 on a Stratadigm S1400.

