

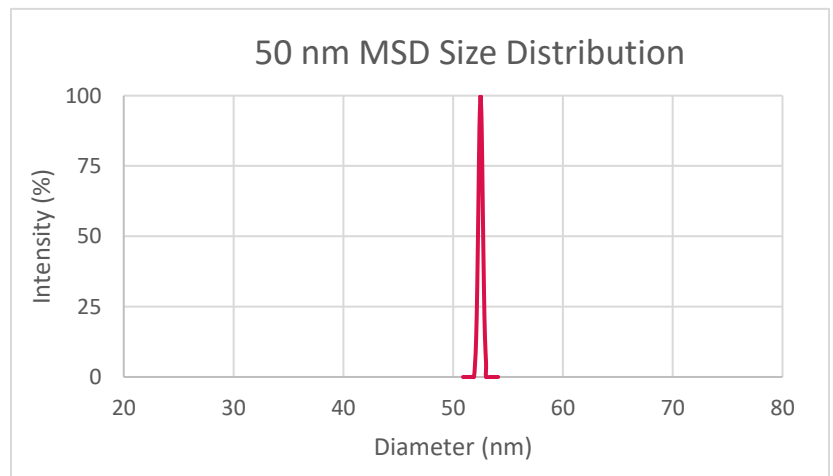
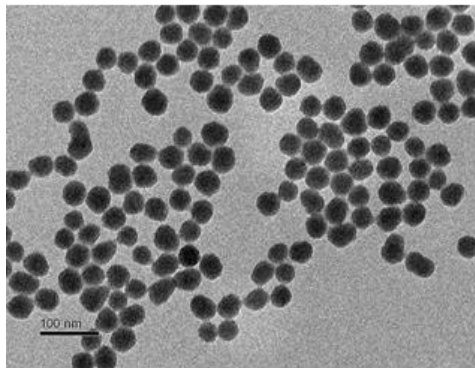


# NANOCYTM

## 50 nm Silica (SiO<sub>2</sub>) Nanoparticles

### Particle Characteristics

Effective Diameter (nm)	52.6 ± 4 nm
Polydispersity Index	0.025
Coefficient of Variation (%)	6 %
BET Surface Area (m <sup>2</sup> /g)	200 – 250
Surface functionalization	Silanol (Si-OH)
pH in solution	8.0



Available in dry form or at custom wt% dispersions in resin  
or common organic solvents.

All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”. We guarantee a coefficient of variation <7%.

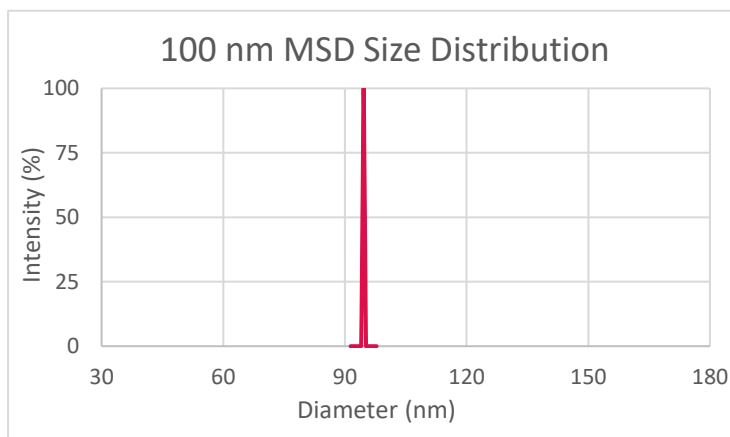
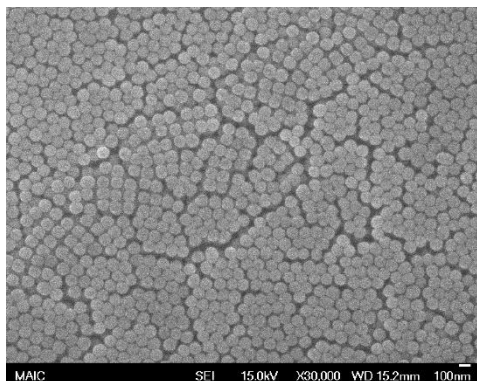


# NANOCYM

## 100nm Silica (SiO<sub>2</sub>) Nanoparticles

### Particle Characteristics

Effective Diameter (nm)	99.0 ± 3 nm
Polydispersity Index	0.010
Coefficient of Variation (%)	3%
BET Surface Area (m <sup>2</sup> /g)	40 - 50
Surface functionalization	Silanol (Si-OH)
pH in solution	8.4



Available in dry form or at custom wt% dispersion in resin  
or common organic solvents.

All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”. We guarantee a coefficient of variation <7%.

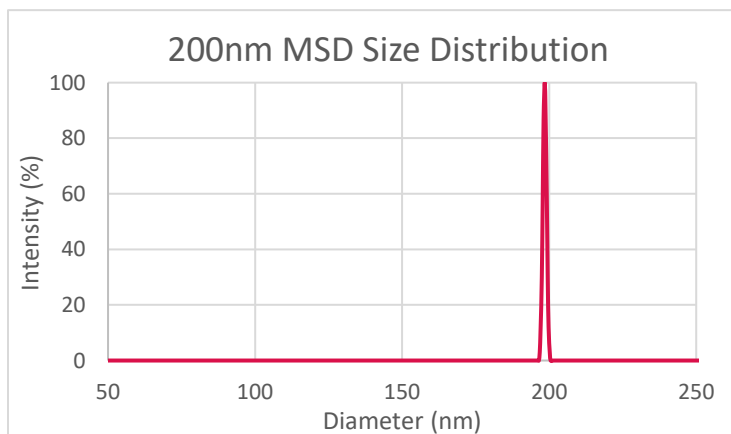
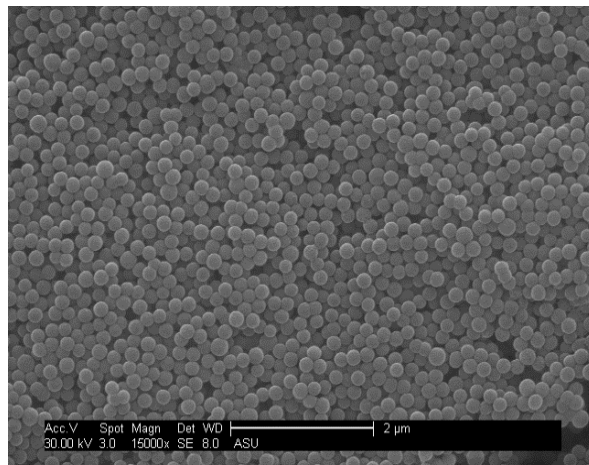
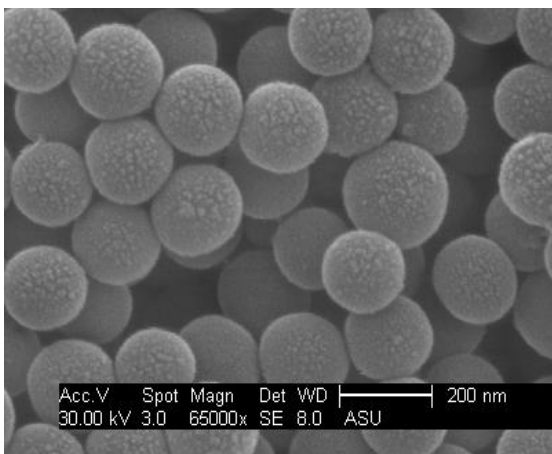


# NANOCYTM

## 200nm Silica (SiO<sub>2</sub>) Nanoparticles

### Particle Characteristics

Effective Diameter (nm)	199.2 ± 7 nm
Polydispersity Index	0.005
Coefficient of Variation (%)	6 %
BET Surface Area (m <sup>2</sup> /g)	20 – 30
Surface functionalization	Silanol (Si-OH)
pH in solution	8.0



Available in dry form or at custom wt% dispersions in resin or common organic solvents

All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”. We guarantee a coefficient of variation <7%.

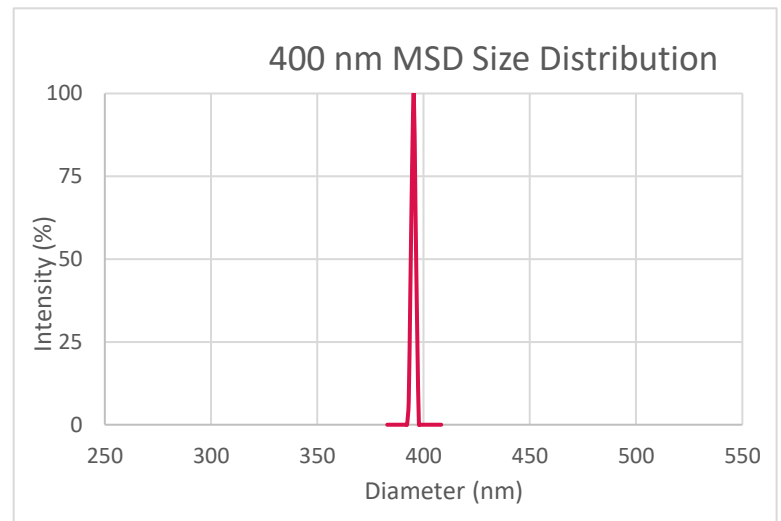
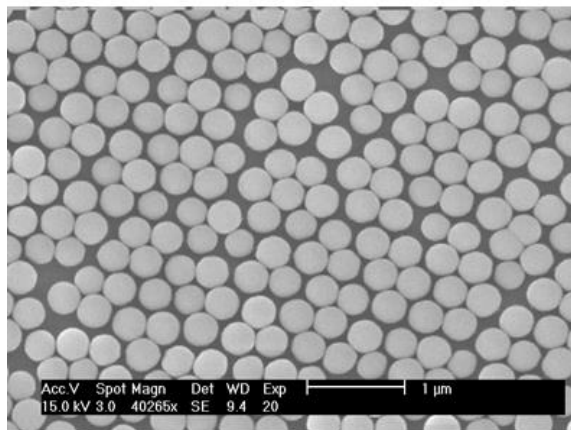


# NANOCYTM

## 400nm Silica (SiO<sub>2</sub>) Nanoparticles

### Particle Characteristics

Effective Diameter (nm)	397.4 ± 12 nm
Polydispersity Index	0.005
Coefficient of Variation (%)	6 %
BET Surface Area (m <sup>2</sup> /g)	6 - 8
Surface functionalization	Silanol (Si-OH)
pH in solution	8.1



Available in dry form or at custom wt% dispersions in resin or common organic solvents.

All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”. We guarantee a coefficient of variation <7%.

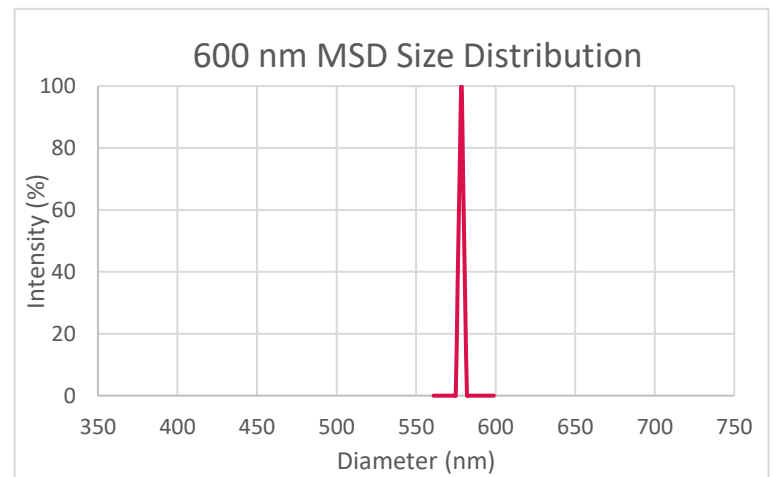
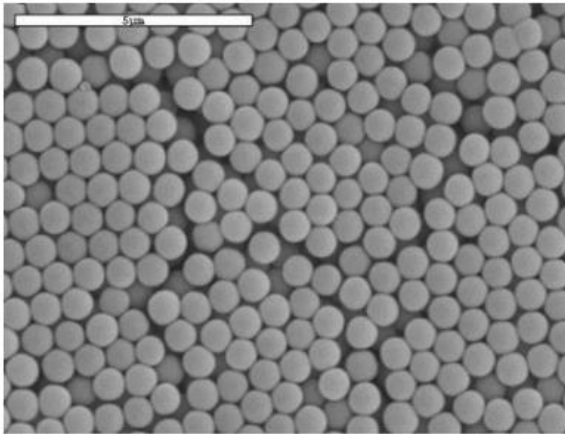


# NANOCYM

## 600nm Silica (SiO<sub>2</sub>) Nanoparticles

### Particle Characteristics

Effective Diameter (nm)	597.1 ± 19 nm
Polydispersity Index	0.005
Coefficient of Variation (%)	4 %
BET Surface Area (m <sup>2</sup> /g)	4.5 – 5.5
Surface functionalization	Silanol (Si-OH)
pH in solution	8.0



Available in dry form or at custom wt% dispersions in resin  
or common organic solvents.

All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”. We guarantee a coefficient of variation <7%.

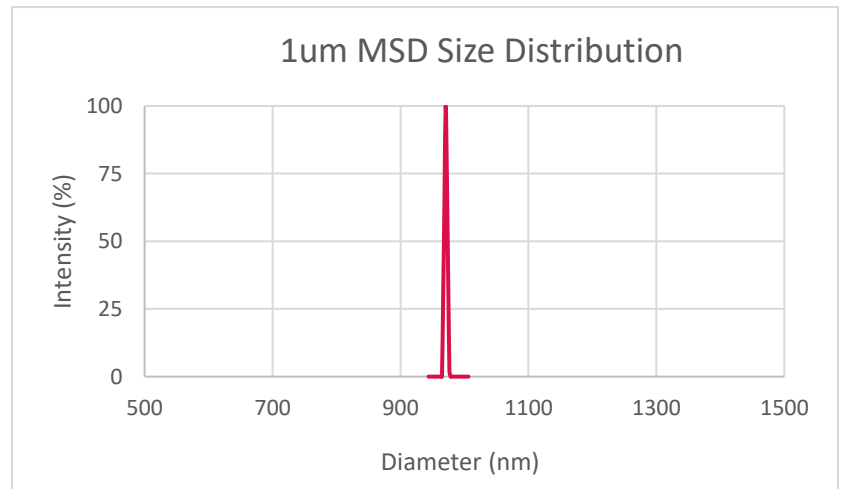
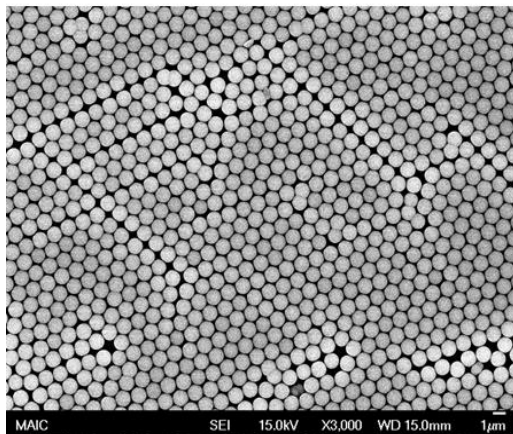


# NANOCYTM

## 1 $\mu\text{m}$ Silica ( $\text{SiO}_2$ ) Microspheres

### Particle Characteristics

Effective Diameter (nm)	1015.3 $\pm$ 38 nm
Polydispersity Index	0.005
Coefficient of Variation (%)	3.5 %
BET Surface Area ( $\text{m}^2/\text{g}$ )	2.5 – 3.5
Surface functionalization	Silanol (Si-OH)
pH in solution	7.8



Available in dry form or at custom wt% dispersions in resin  
or common organic solvents.

All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”. We guarantee a coefficient of variation  $\sim$  10%.

Contact us

info@nanocym.com; (928)719-0173

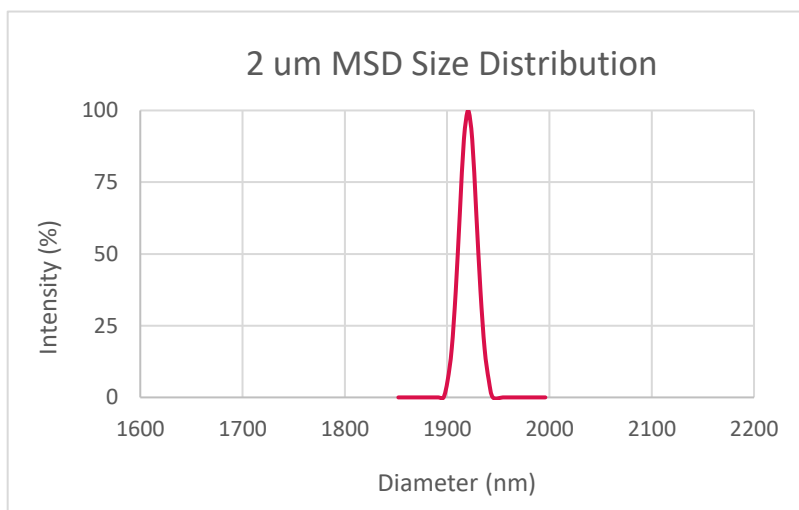
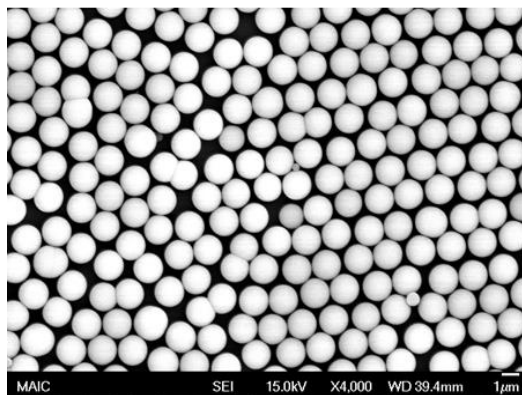


# NANOCYTM

## 2 $\mu\text{m}$ Silica ( $\text{SiO}_2$ ) Microspheres

### Particle Characteristics

Effective Diameter (nm)	1990.4 $\pm$ 80 nm
Polydispersity Index	0.005
Coefficient of Variation (%)	11 %
BET Surface Area ( $\text{m}^2/\text{g}$ )	1 - 2
Surface functionalization	Silanol (Si-OH)
pH in solution	8.0



Available in dry form or at custom wt% dispersions in resin  
or common organic solvents.

All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”.