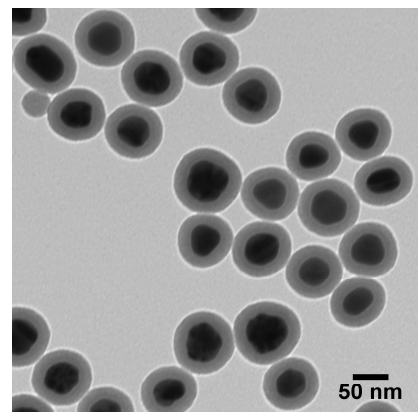
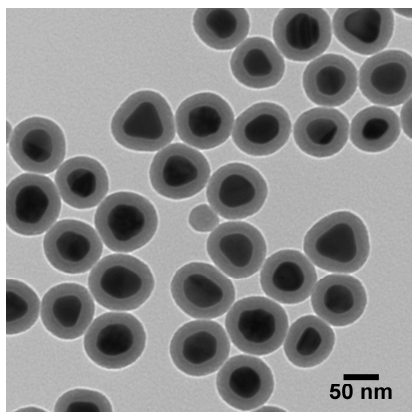
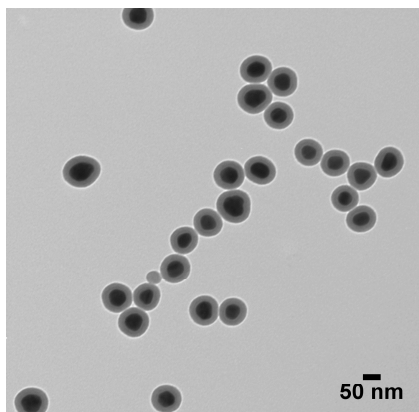


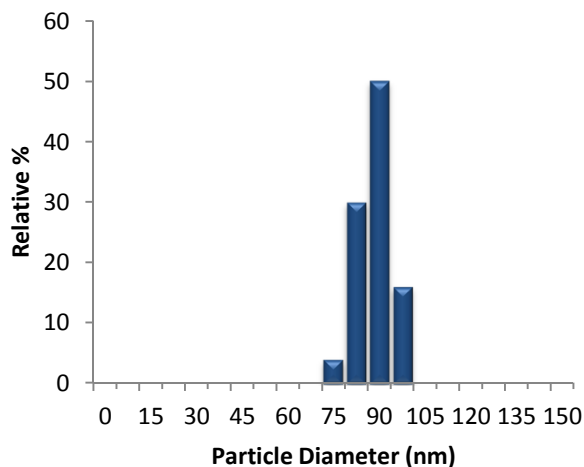
Silica Shelled 50 nm Silver Nanospheres, NanoXact™

Lot Number: HKE0093

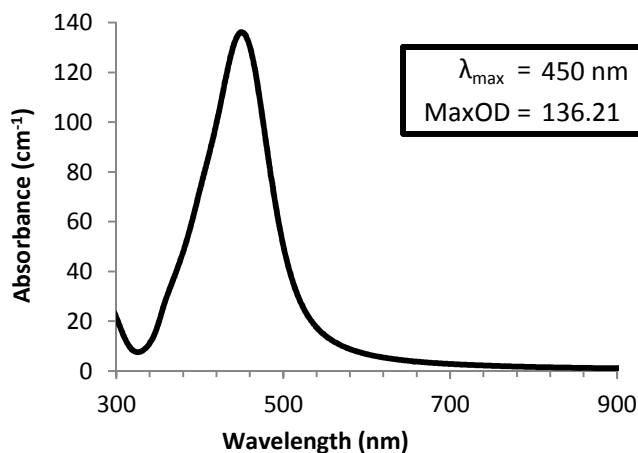
Total Diameter (TEM):	85 ± 5 nm	Mass Concentration (Ag):	1.07 mg/mL
Coefficient of Variation:	6.3 %	Hydrodynamic Diameter:	101 nm
Core Diameter (TEM):	49 ± 6 nm	Zeta Potential:	-26 mV
Shell Thickness (TEM):	18 nm	Zeta pH:	9.1
Surface Area (Calc'd):	18.7 m ² /g	Zeta Solvent:	Milli-Q H2O
Particle Concentration:	1.7E+12 particles/mL	Particle Surface:	Silanol
		Solvent:	Ethanol



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:

Mass Concentration:

Spectral Properties:

Hydrodynamic Diameter/Zeta Potential:

JEOL 1010 Transmission Electron Microscope

Thermo Fisher X Series 2 ICP-MS

Agilent 8453 UV-Visible Spectrometer

Malvern Zetasizer Nano ZS.

Shake vigorously before use. Bath sonicate if needed. Storage: 2-8 °C away from light.

DO NOT FREEZE.