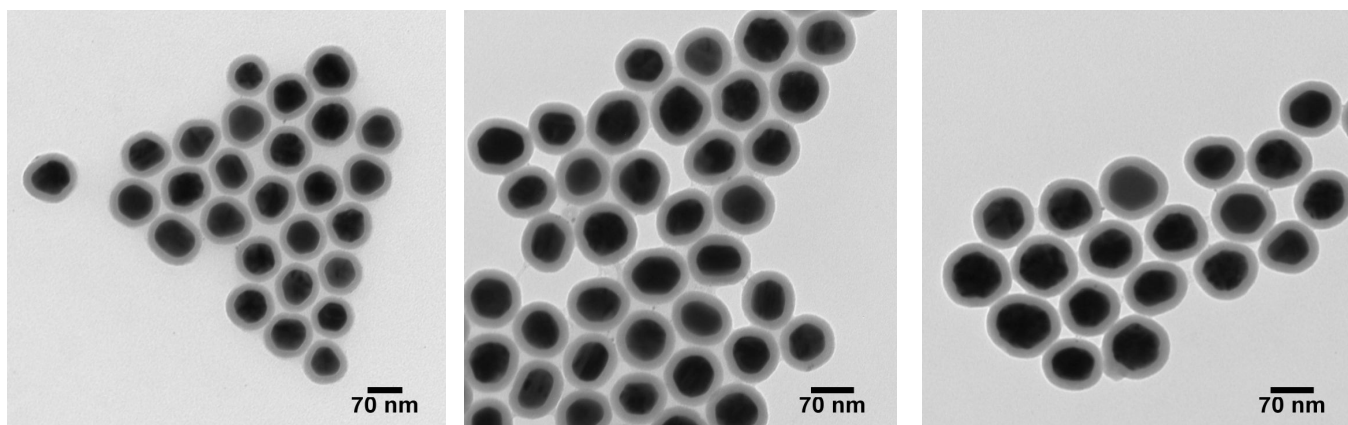


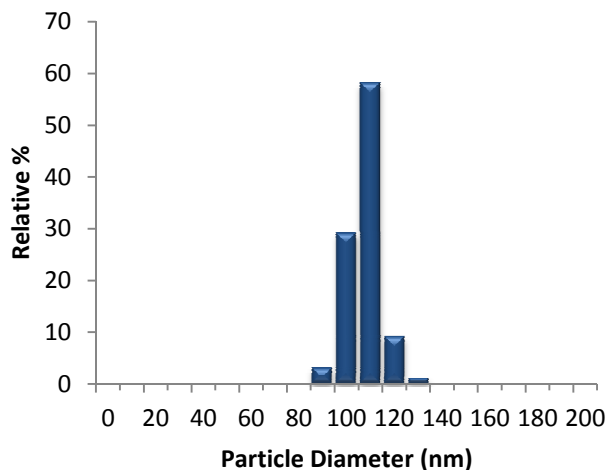
Silica Shelled 70 nm NanoXact™ Silver

Lot Number: DMW0241

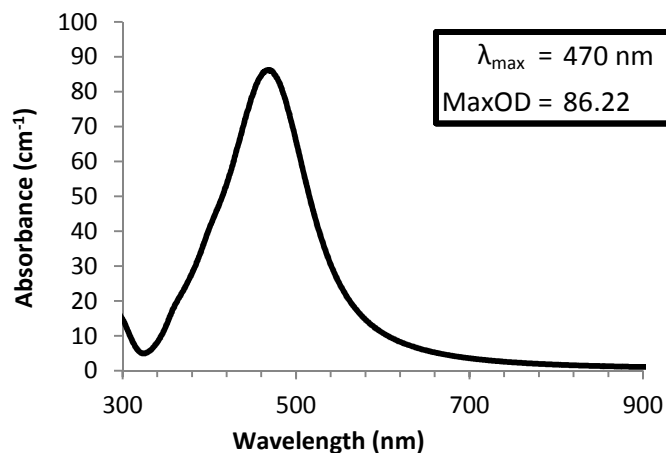
Total Diameter (TEM):	102.9 ± 6.1 nm	Mass Concentration (Ag):	0.99 mg/mL
Coefficient of Variation:	6.0 %	Hydrodynamic Diameter:	118.8 nm
Core Diameter (TEM):	69.1 ± 6.6 nm	Zeta Potential:	-69.4 mV
Shell Thickness (TEM):	16.9 nm	Zeta pH:	8.7
Surface Area (Calc'd):	5.5 m ² /g	Zeta Solvent:	Milli-Q H2O
Particle Concentration:	5.5E+11 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: 4-8 °C away from light.

DO NOT FREEZE.