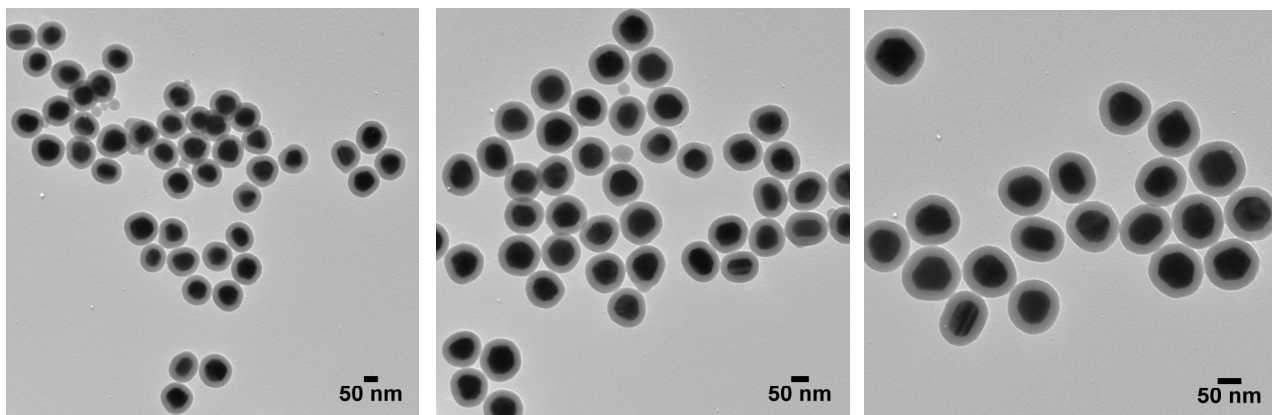


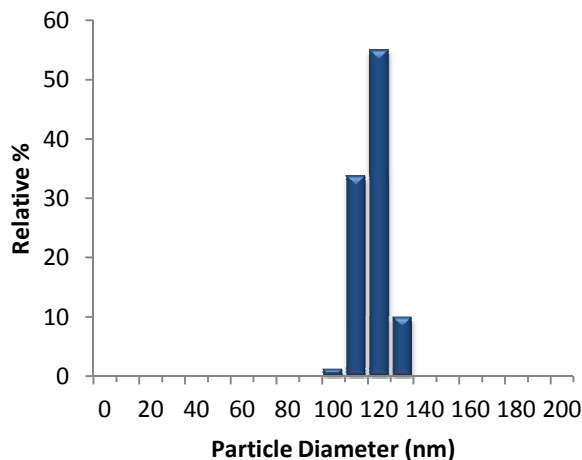
Aminated Silica Shelled 70 nm NanoXact™ Silver

Lot Number: HXJ0136

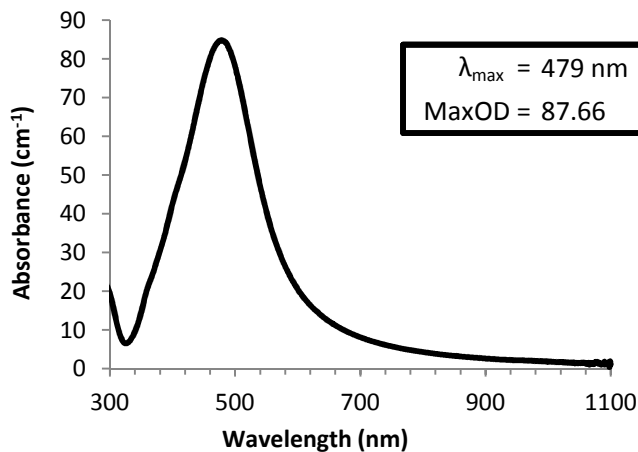
Total Diameter (TEM):	111 ± 6 nm	Mass Concentration (Ag):	1.04 mg/mL
Coefficient of Variation:	5.0 %	Hydrodynamic Diameter:	152.6 nm
Core Diameter (TEM):	71 ± 5 nm	Zeta Potential:	23.1 mV
Shell Thickness (TEM):	20 nm	Zeta pH:	5.9
Surface Area (Calc'd):	12.3 m ² /g	Zeta Solvent:	Milli-Q H2O
Particle Concentration:	5.2E+11 particles/mL	Particle Surface:	Amine Terminated
		Solvent:	Ethanol



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:	JEOL 1010 Transmission Electron Microscope
Mass Concentration:	Thermo Fisher X Series 2 ICP-MS
Spectral Properties:	Agilent 8453 UV-Visible Spectrometer
Hydrodynamic Diameter/Zeta Potential:	Malvern Zetasizer Nano ZS.

Shake vigorously before use. Bath sonicate if needed. Storage: 4-8 °C away from light.

DO NOT FREEZE.