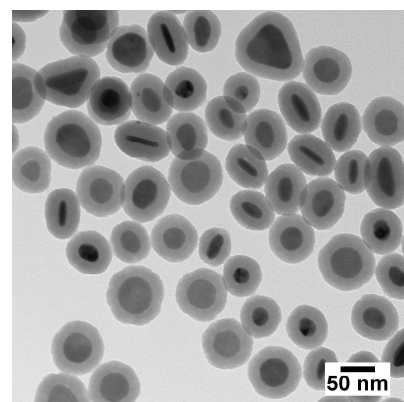
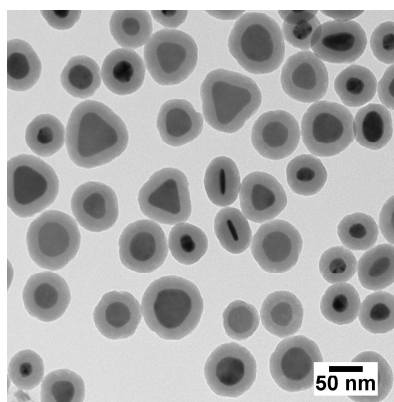
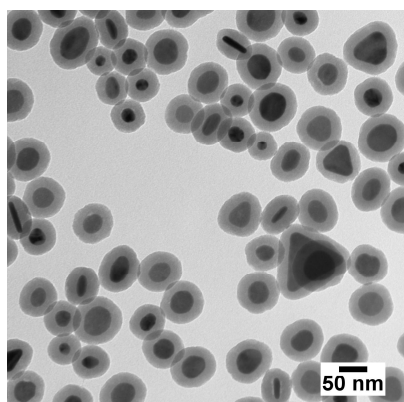
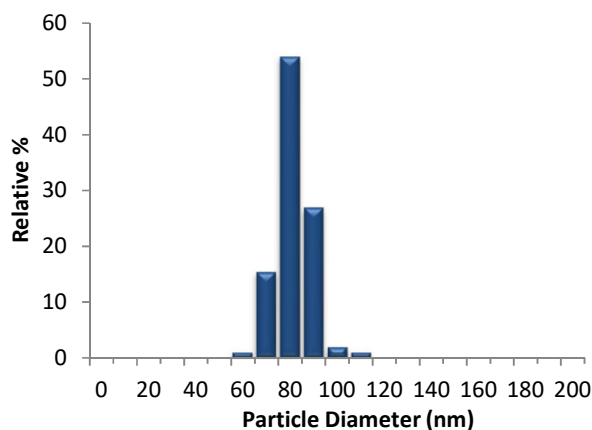
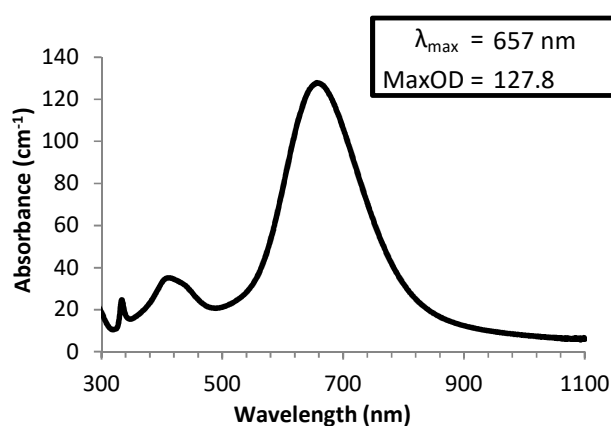


Silica Shelled Silver Nanoplates, Peak Absorbance @ 660 nm, NanoXact™

Product Number: SPSH660
Lot Number: DMW0588

Total Diameter ± Std.Dev (TEM):	77 ± 7 nm	Mass Concentration (Ag):	1.05 mg/mL
Coefficient of Variation:	9.8 %	pH of Solution:	9.0
Core Diameter ± Std.Dev (TEM):	40 ± 8 nm	Particle Surface:	Silanol
Shell Thickness (TEM):	18 nm	Solvent:	Aqueous 10mM Bicarbonate Buffer
% Absorbance at 660 nm:	99.7 %		
OD at 660 nm:	127.5		


Size Distribution

Optical Properties


Characterization Instrumentation

Diameter and Size Statistics:	JEOL 1010 Transmission Electron Microscope; Image J
Mass Concentration:	Thermo Fisher X Series 2 ICP-MS
Spectral Properties:	Agilent 8453 UV-Visible Spectrometer
Hydrodynamic Diameter/Zeta Potential:	Malvern Zetasizer Nano ZS
pH:	Horiba - Laqua Twin pH Meter

Shake vigorously before use. Bath sonicate if needed. Storage: 2-8 °C away from light. DO NOT FREEZE.