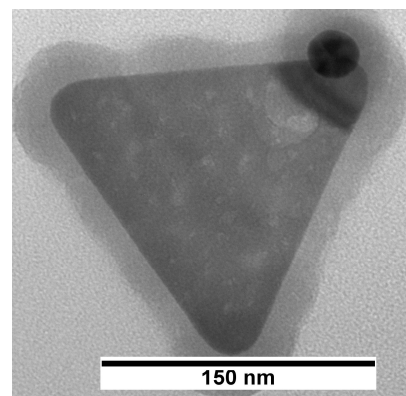
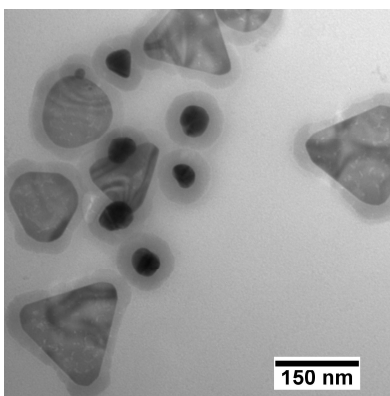
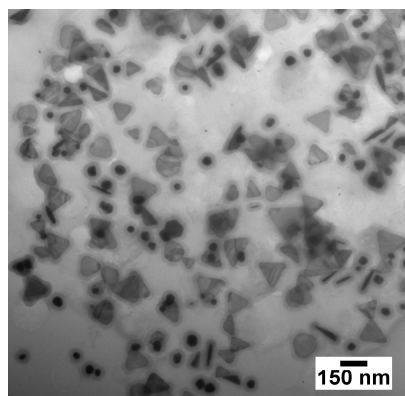
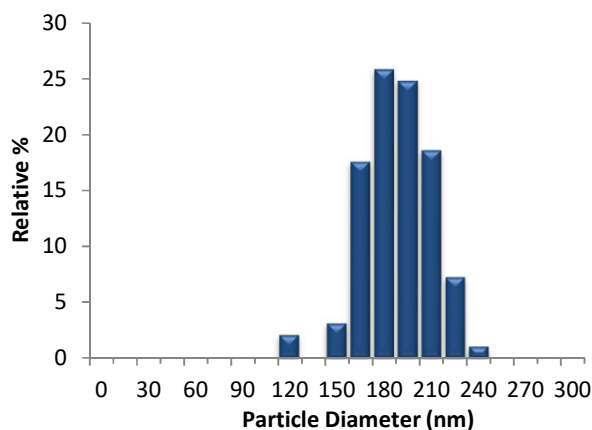
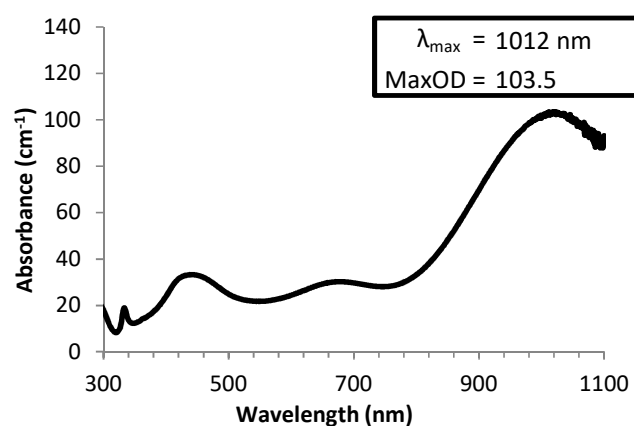


Silica Shelled Silver Nanoplates, Peak Absorbance @ 1064 nm, NanoXact™
Product Number: SPSH1064
Lot Number: SAM0084

Total Diameter ± Std.Dev (TEM):	181 ± 22 nm	Mass Concentration (Ag):	1.06 mg/mL
Coefficient of Variation:	12.2 %	pH of Solution:	10.0
Core Diameter ± Std.Dev (TEM):	138 ± 22 nm	Particle Surface:	Silanol
Shell Thickness (TEM):	22 nm	Solvent:	Aqueous 10mM Bicarbonate Buffer
% Absorbance at 1064 nm:	94.2 %		
OD at 1064 nm:	97.4		


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.