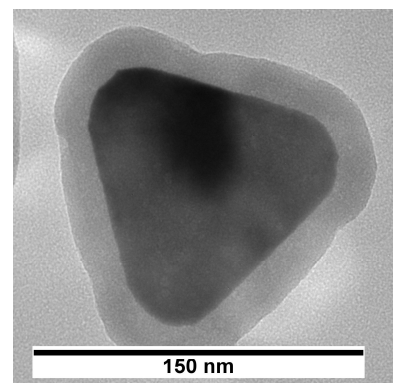
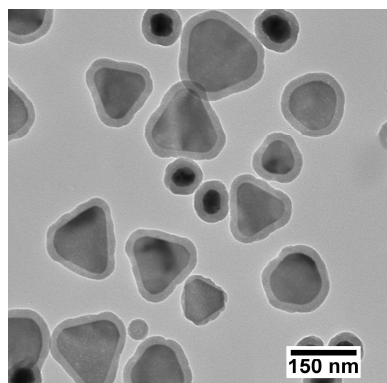
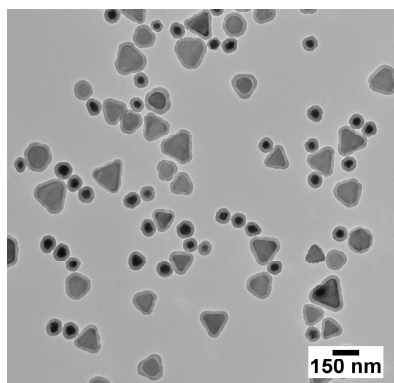


Silica Shelled Silver Nanoplates, Peak Absorbance @ 980 nm, NanoXact™

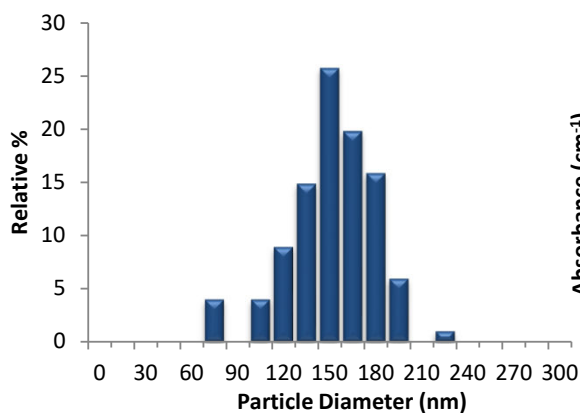
Product Number: SPSH980

Lot Number: LBE0263

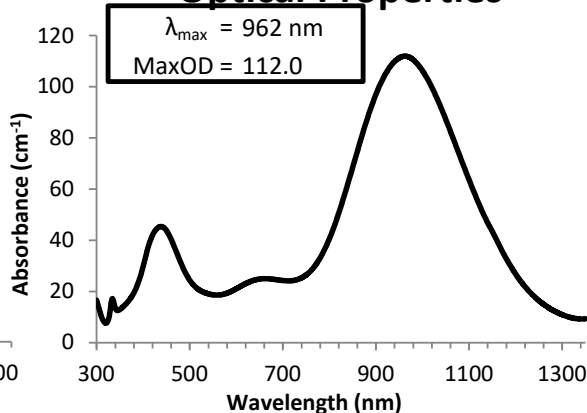
| | | | |
|--|-------------|---------------------------------|---------------------------------|
| Total Diameter ± Std.Dev (TEM): | 159 ± 27 nm | pH of Solution: | 8.6 |
| Coefficient of Variation: | 16.8 % | Particle Surface: | Silanol |
| Core Diameter ± Std.Dev (TEM): | 123 ± 27 nm | Solvent: | Aqueous 10mM Bicarbonate Buffer |
| Shell Thickness (TEM): | 18 nm | Mass Concentration (Ag): | 1.08 mg/mL |
| % Absorbance at 980 nm: | 98.7 % | | |
| OD at 980 nm: | 110.6 | | |



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:
Mass Concentration:
Spectral Properties:
pH:

JEOL 1010 Transmission Electron Microscope; Image J
Agilent 7800 ICP-MS
Jasco V-670 NIR Spectrophotometer
Horiba - Laqua Twin pH Meter

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