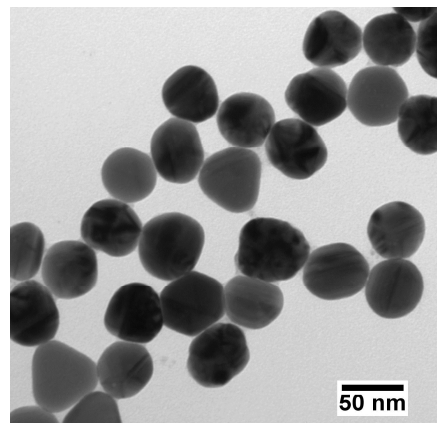
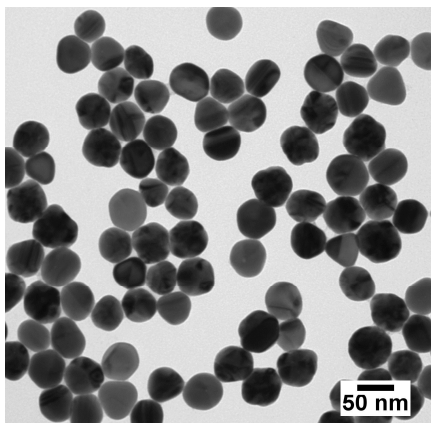
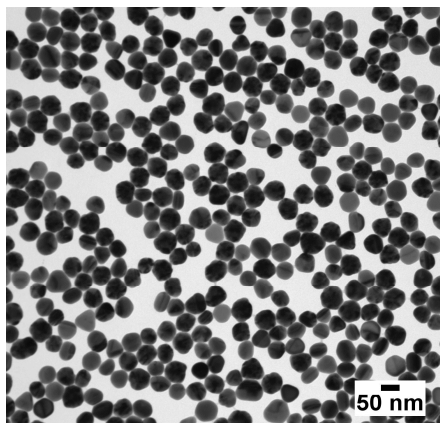


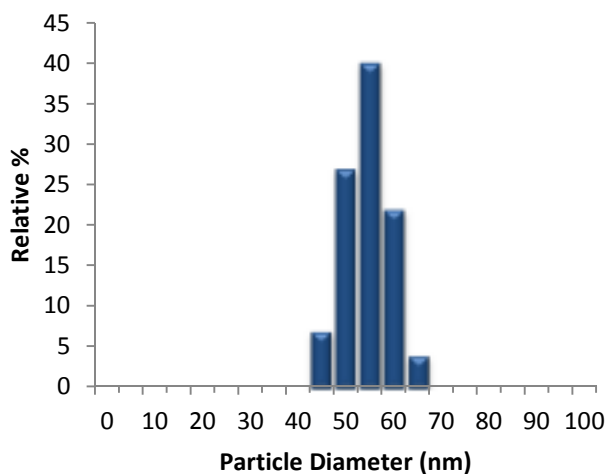
50 nm Silver Nanospheres, Lipoic Acid, BioPure™

Lot Number: ABK0060

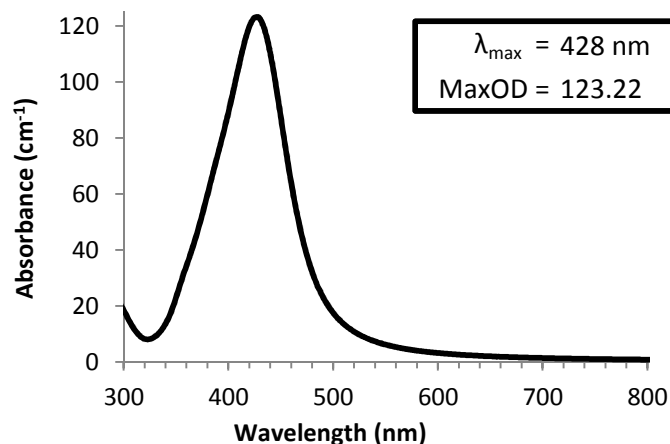
| | | | |
|----------------------------------|------------------------|-------------------------------|----------------------------|
| Diameter (TEM): | 52 ± 5 nm | Hydrodynamic Diameter: | 53 nm |
| Coefficient of Variation: | 8.8 % | Zeta Potential: | -53 mV |
| Surface Area (TEM): | 10.8 m ² /g | pH of Solution: | 9.0 |
| Mass Concentration (Ag): | 1.05 mg/mL | Silver Purity: | 99.99 % |
| Particle Concentration: | 1.4E+12 particles/mL | Particle Surface: | Lipoic Acid |
| Endotoxin Concentration: | < 2.5 EU/mL | Solvent: | 0.2 mM Potassium Carbonate |



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.

Storage: 2-8 °C away from light. DO NOT FREEZE.