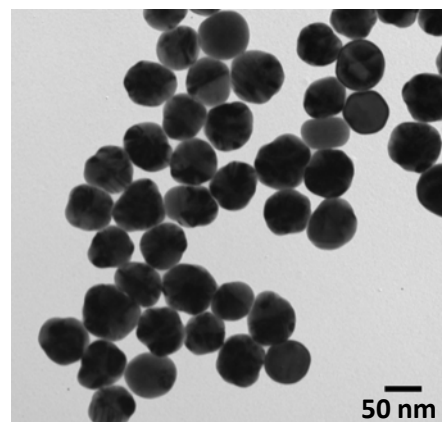
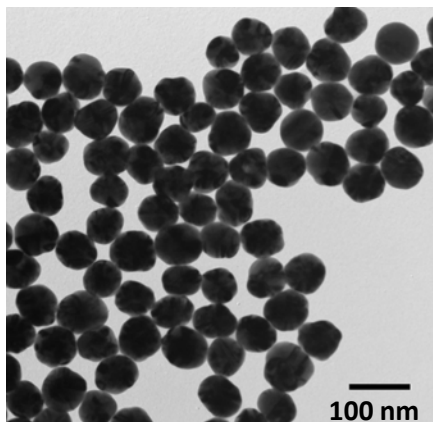
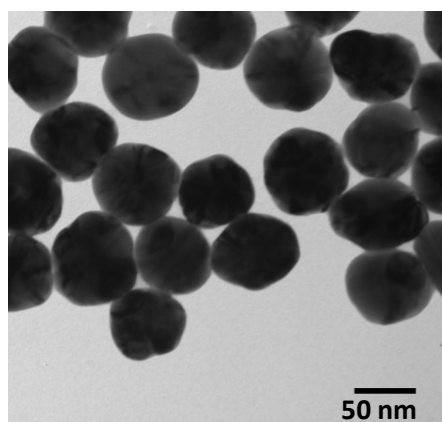


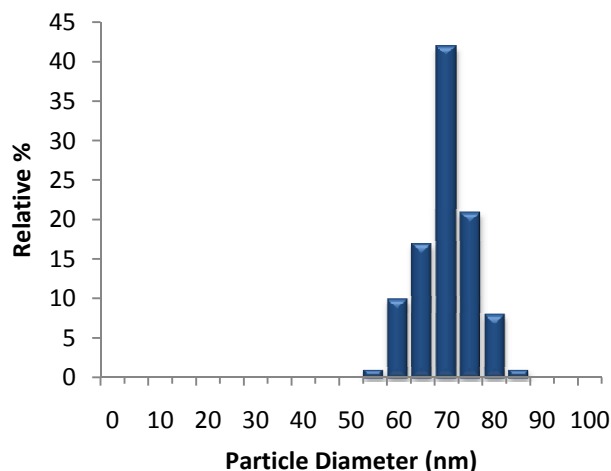
70 nm PELCO® BioPure™ Silver

Lot Number: CTH1108

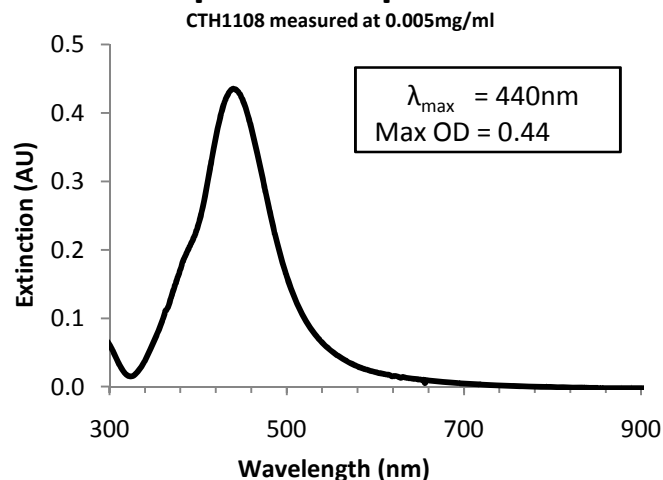
| | | | |
|----------------------------------|----------------------|-------------------------------|--------------------------|
| Diameter (TEM): | 67.3 nm | Particle Surface | Phosphate |
| First Standard Deviation: | 5.4 nm | Hydrodynamic Diameter: | 72.8 nm |
| Coefficient of Variation: | 8.0 % | Zeta Potential: | -35.9 mV |
| Mass Concentration | 1.0 mg/mL | pH of Solution: | 7.2 |
| Particle Concentration | 3.2E+11 particles/mL | Suspension Solution: | 2mM Phosp./Milli-Q Water |



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 and Handling: 4 °C away from light. DO NOT FREEZE.