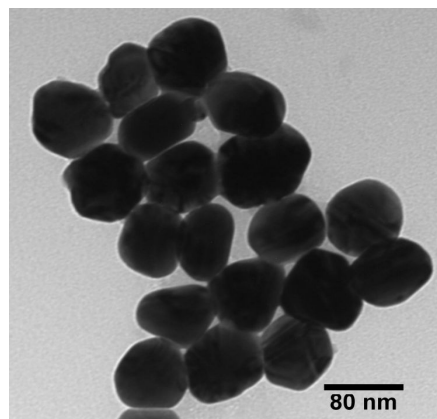
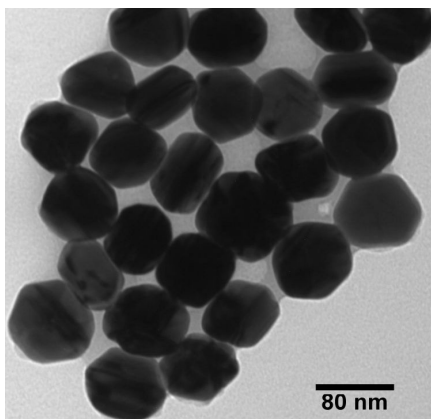
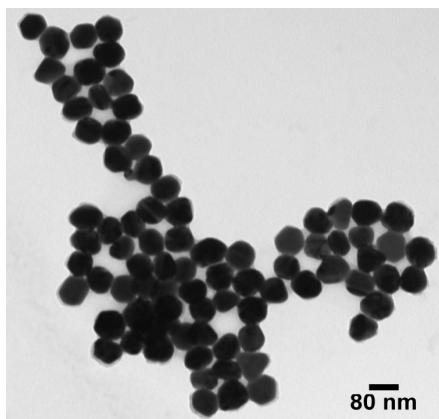


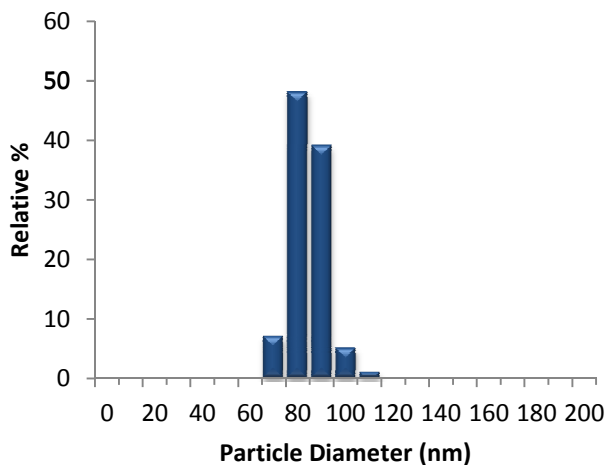
80 nm Citrate BioPure™ Silver

Lot Number: WNB0052

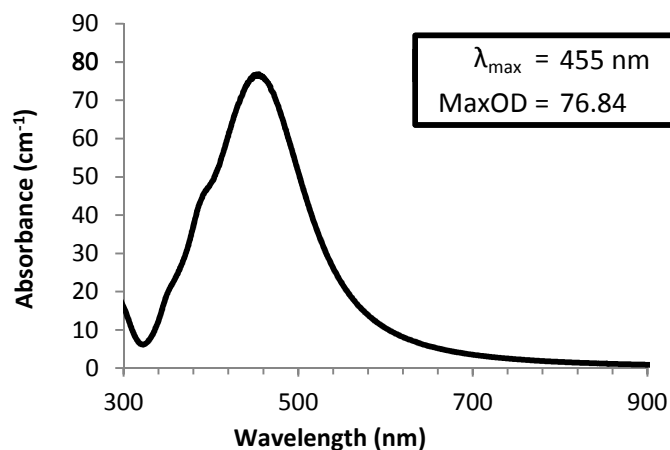
| | | | |
|----------------------------------|-----------------------|-------------------------------|---------------------|
| Diameter (TEM): | 79.1 ± 6.8 nm | Hydrodynamic Diameter: | 79.6 nm |
| Coefficient of Variation: | 8.6 % | Zeta Potential: | -52.3 mV |
| Surface Area (TEM): | 7.1 m ² /g | pH of Solution: | 7.7 |
| Mass Concentration (Ag): | 1.09 mg/mL | Silver Purity: | 99.99 % |
| Particle Concentration: | 4.0E+11 particles/mL | Particle Surface: | Sodium Citrate |
| Endotoxin Concentration: | < 2.5 EU/mL | Solvent: | Aqueous 2mM Citrate |



Size Distribution



Optical Properties



Characterization Instrumentation

| | |
|--|--|
| Diameter and Size Statistics: | JEOL 1010 Transmission Electron Microscope |
| Mass Concentration: | Thermo Fisher X Series 2 ICP-MS |
| Spectral Properties: | Agilent 8453 UV-Visible Spectrometer |
| Hydrodynamic Diameter/Zeta Potential: | Malvern Zetasizer Nano ZS. |

Storage: 4-8 °C away from light. DO NOT FREEZE.