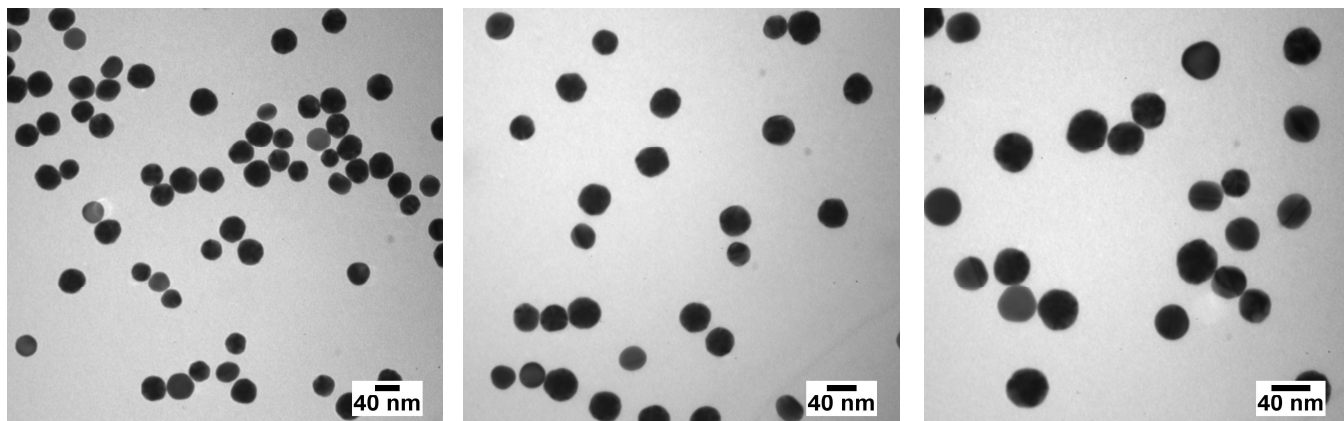


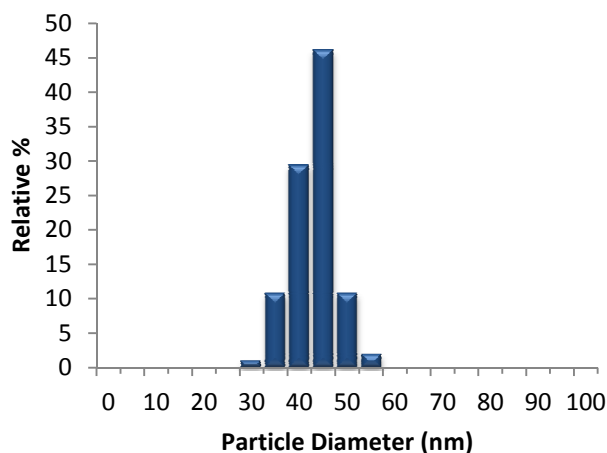
40 nm PVP Redispersible Gold Nanoparticles

Lot Number: CLF0216-MGM2345

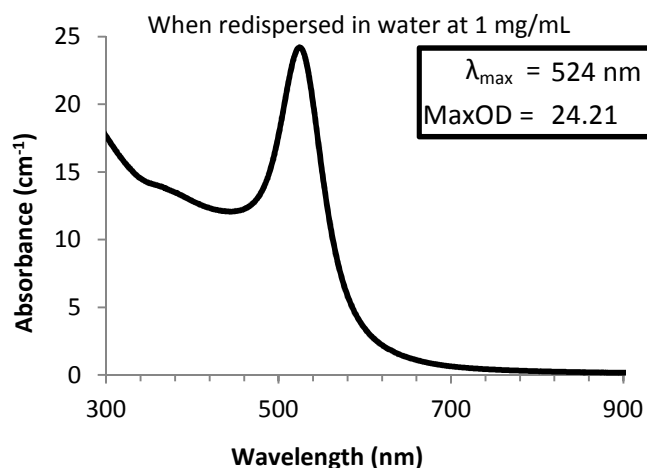
| | | | |
|----------------------------------|------------------------|----------------------------------|--------------|
| Diameter (TEM): | 40.8 nm | Particle Surface: | PVP |
| First Standard Deviation: | 4.5 nm | Particle Form: | Powder |
| Coefficient of Variation: | 11.1 % | Mass Concentration (Au): | 25 % by mass |
| Surface Area (TEM): | 7.45 m ² /g | Mass Concentration (PVP): | 75 % by mass |



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 and Handling: Cool, dry place.
DO NOT FREEZE. AVOID INHALATION. Sonicate to resuspend.