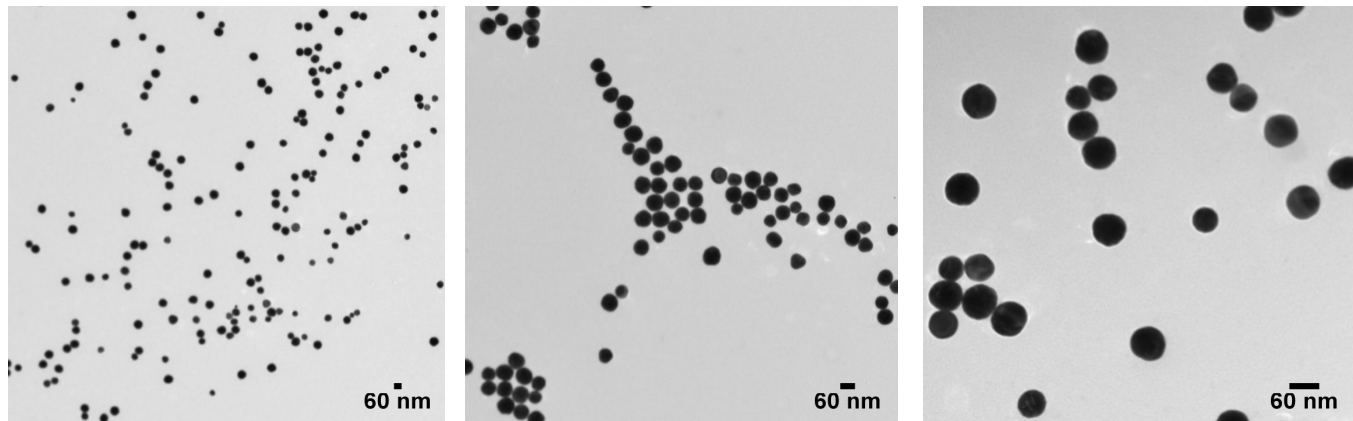


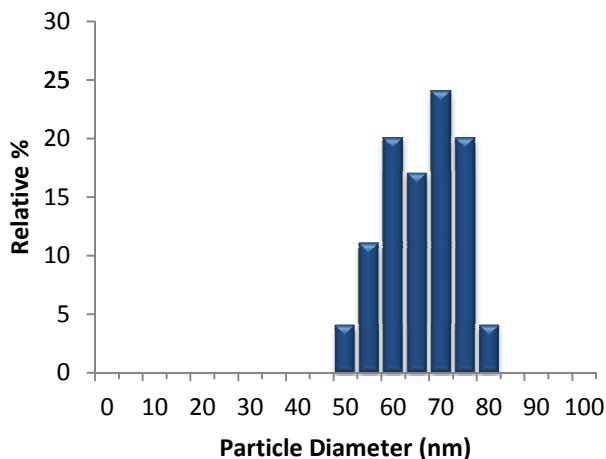
60 nm PVP NanoXact™ Gold

Lot Number: ECP1151

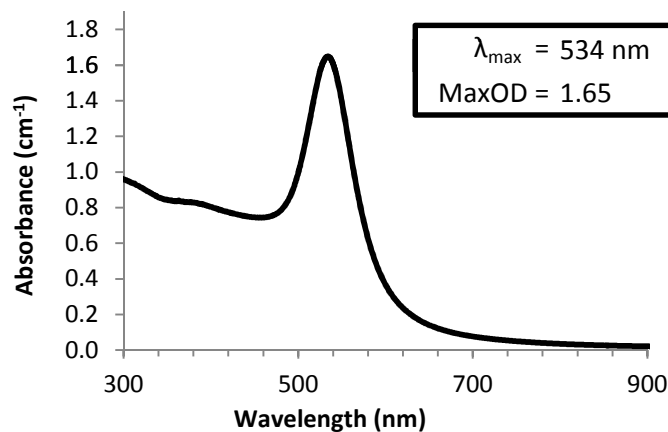
| | | | |
|----------------------------------|-----------------------|-------------------------------|---------------|
| Diameter (TEM): | 63.7 ± 7.7 nm | Hydrodynamic Diameter: | 85.7 nm |
| Coefficient of Variation: | 12.1 % | Zeta Potential: | -31.9 mV |
| Surface Area (TEM): | 4.7 m ² /g | pH of Solution: | 5.7 |
| Mass Concentration (Au): | 0.052 mg/mL | Gold Purity: | 99.99 % |
| Particle Concentration: | 2.0E+10 particles/mL | Particle Surface: | PVP |
| | | Solvent: | Milli-Q Water |



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: 4-25 °C. DO NOT FREEZE.