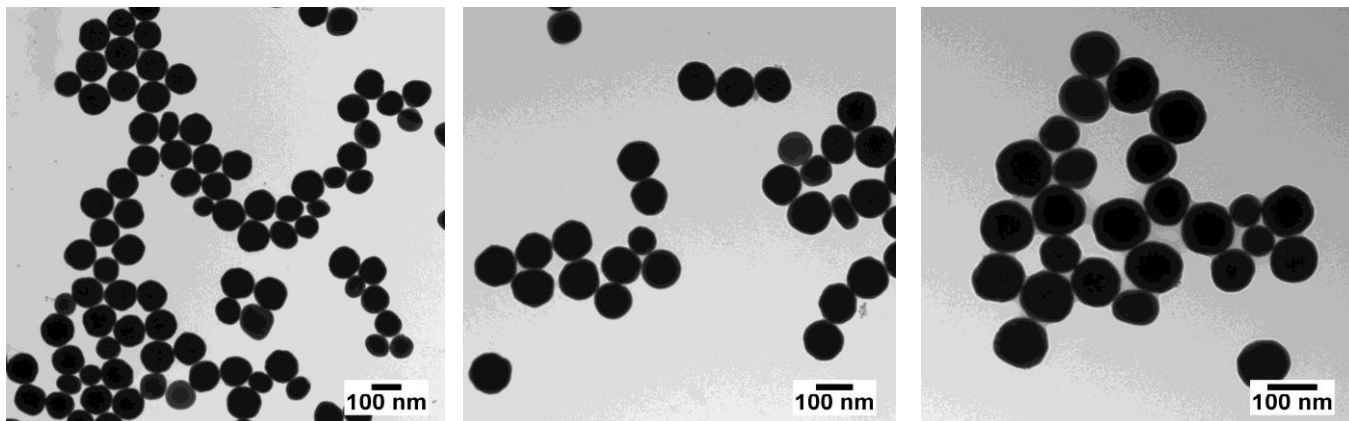


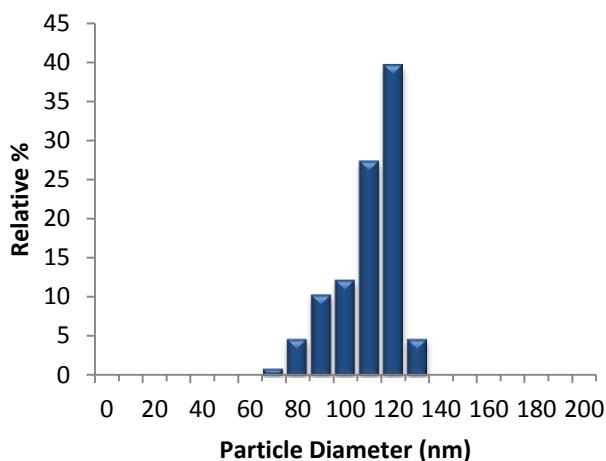
100 nm bPEI NanoXact™ Gold

Lot Number: ECP1187

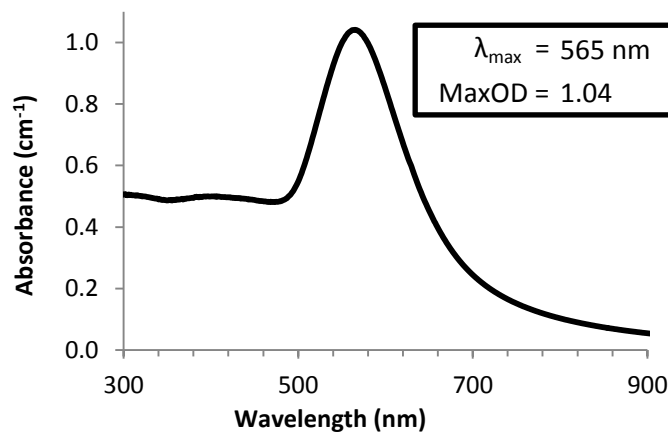
| | | | |
|----------------------------------|-----------------------|-------------------------------|---------------|
| Diameter (TEM): | 104.7 ± 12.7 nm | Hydrodynamic Diameter: | 119.7 nm |
| Coefficient of Variation: | 12.2 % | Zeta Potential: | 59.0 mV |
| Surface Area (TEM): | 2.9 m ² /g | pH of Solution: | 6.8 |
| Mass Concentration (Au): | 0.052 mg/mL | Gold Purity: | 99.99 % |
| Particle Concentration: | 4.5E+09 particles/mL | Particle Surface: | bPEI |
| | | 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.