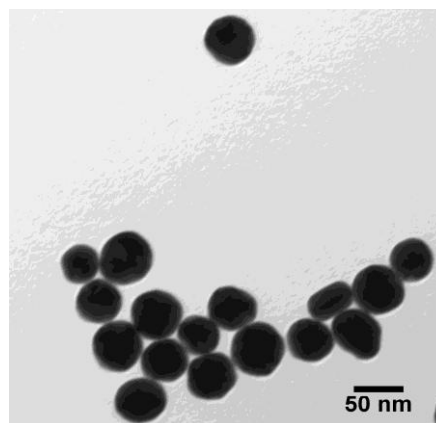
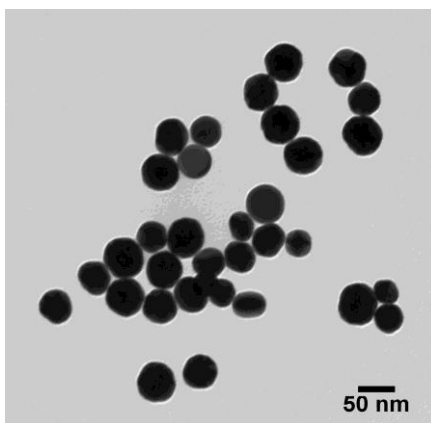
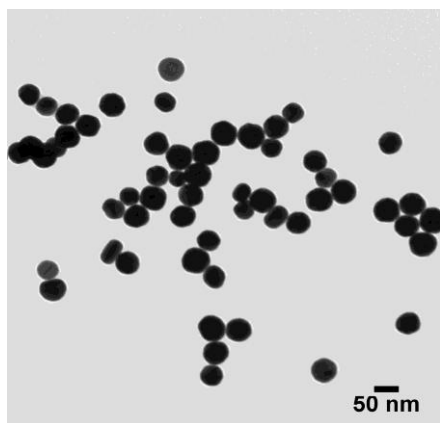


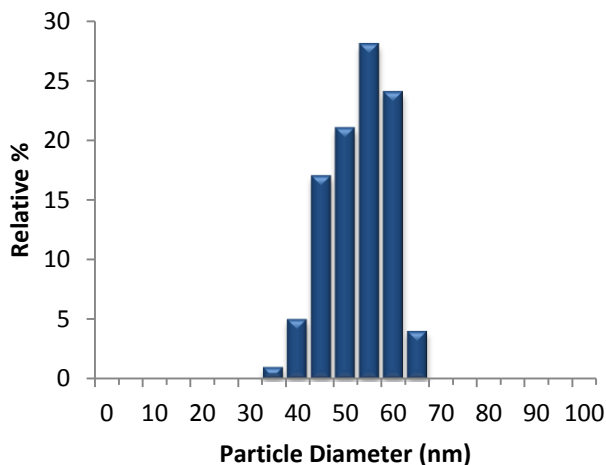
50 nm bPEI BioPure™ Gold

Lot Number: KJW2183

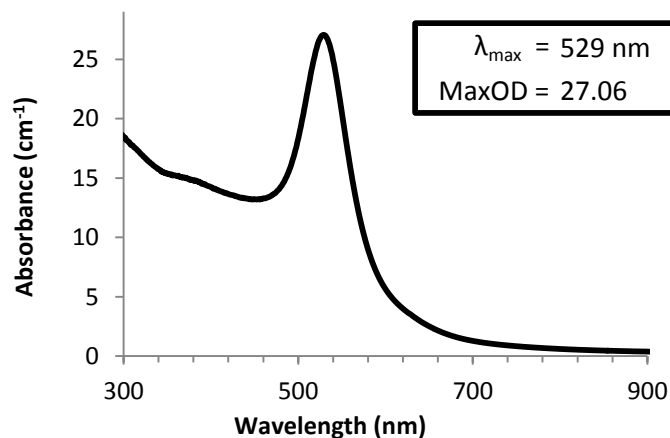
| | | | |
|----------------------------------|-----------------------|-------------------------------|---------------|
| Diameter (TEM): | 50.5 ± 6.2 nm | Hydrodynamic Diameter: | 67.3 nm |
| Coefficient of Variation: | 12.4 % | Zeta Potential: | 76.6 mV |
| Surface Area (TEM): | 6.0 m ² /g | pH of Solution: | 7.3 |
| Mass Concentration (Au): | 1.00 mg/mL | Gold Purity: | 99.99 % |
| Particle Concentration: | 7.7E+11 particles/mL | Particle Surface: | bPEI |
| Endotoxin Concentration: | < 2.5 EU/mL | Solvent: | 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: 4-25 °C. DO NOT FREEZE.