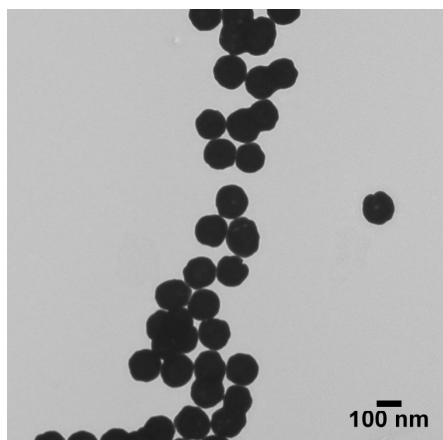


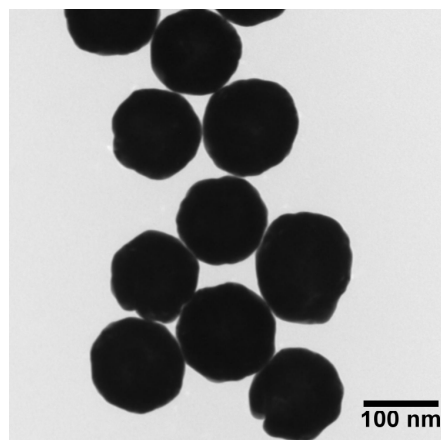
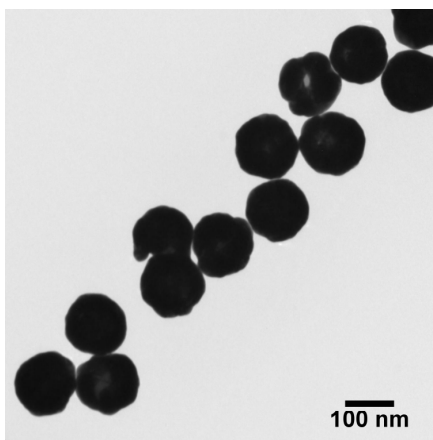
660 nm Resonant Gold Nanoshells, PVP

Lot Number: JEA0009

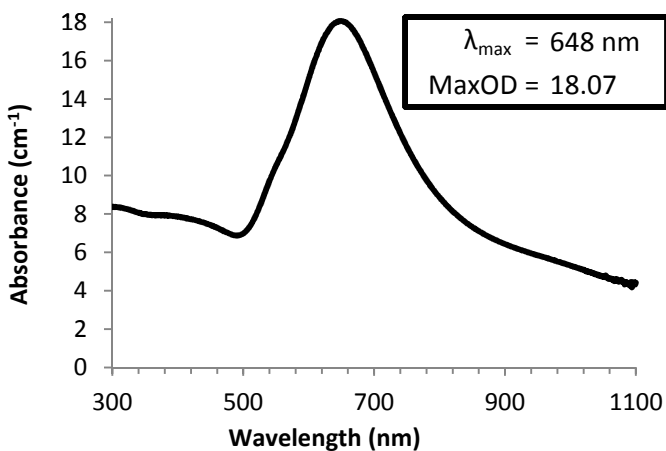
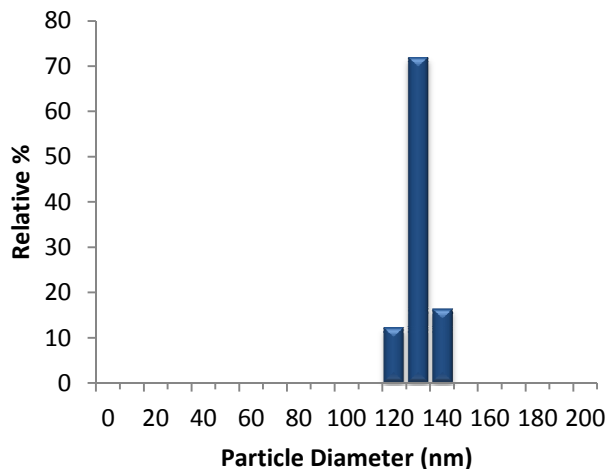
Total Diameter (TEM):	125.5 ± 5.8 nm	Mass Concentration (Au):	1.04 mg/mL
Coefficient of Variation:	4.6 %	Hydrodynamic Diameter:	148.1 nm
Core Diameter (TEM):	82.6 ± 4.7 nm	Zeta Potential:	-43.1 mV
Shell Thickness (Calc'd):	21.5 nm	pH of Solution:	6.8
Surface Area (Calc'd):	2.5 m ² /g	Particle Surface:	PVP
Particle Concentration:	7.3E+10 particles/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.

Shake vigorously before use. Bath sonicate if needed. Storage: 4-8 °C. DO NOT FREEZE.

Produced under license to United States patent numbers 6,344,272, 6,685,986, and 7,371,457.

These nanoComposix products are to be used for research purposes only and are not to be used for any commercial purposes.