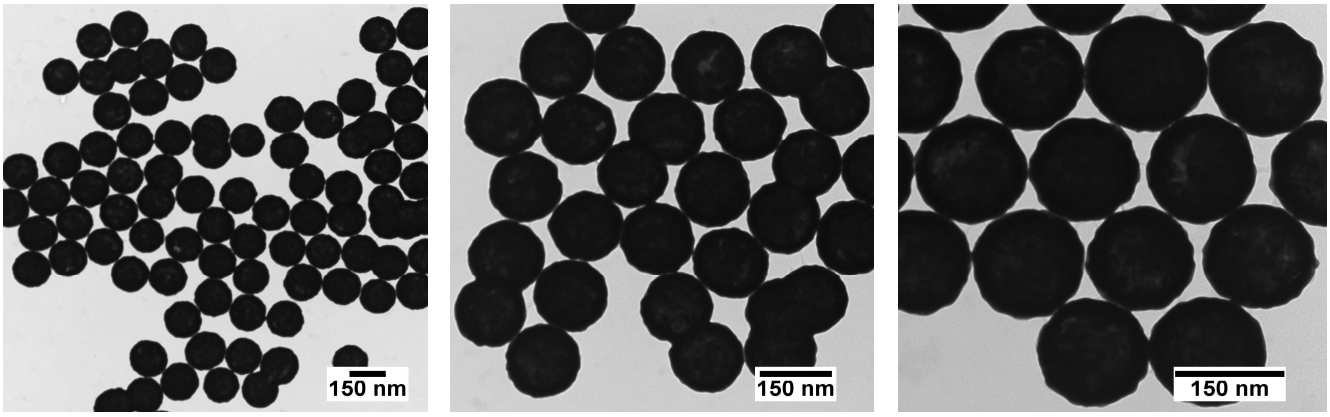
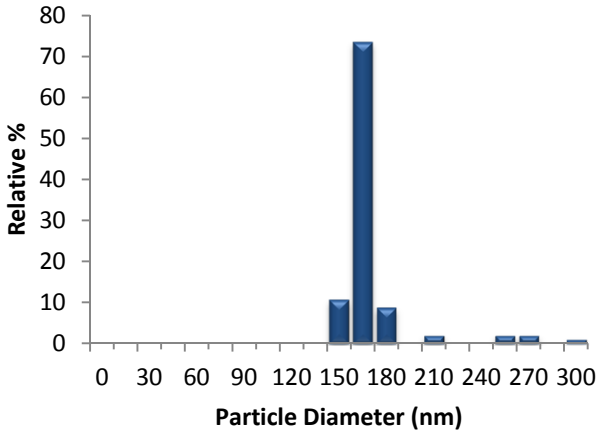
800 nm Resonant Gold Nanoshells, Lipoic Acid

Lot Number: JCP1449

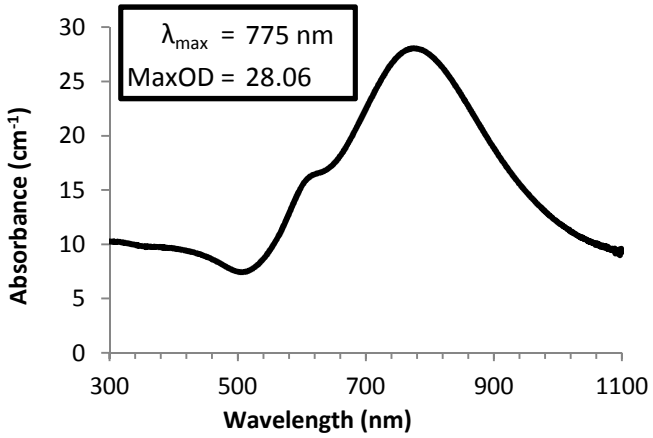
Total Diameter (TEM):	163 ± 24 nm	**Mass Concentration (Au):**	1.06 mg/mL
Coefficient of Variation:	14.6 %	**Hydrodynamic Diameter:**	163 nm
Core Diameter (TEM):	119 ± 6 nm	**Zeta Potential:**	-41 mV
Shell Thickness (Calc'd):	22 nm	**pH of Solution:**	5.4
Surface Area (Calc'd):	2.8 m^2/g	**Particle Surface:**	Lipoic Acid
Particle Concentration:	3.9E+10 particles/mL	**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.

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

nanoComposix, Inc
4878 Ronson Ct. Suite K
San Diego, CA 92111

nanoComposix.com

info@nanocomposix.com
Phone: (858) 565-4227
Fax: (619) 330-2556