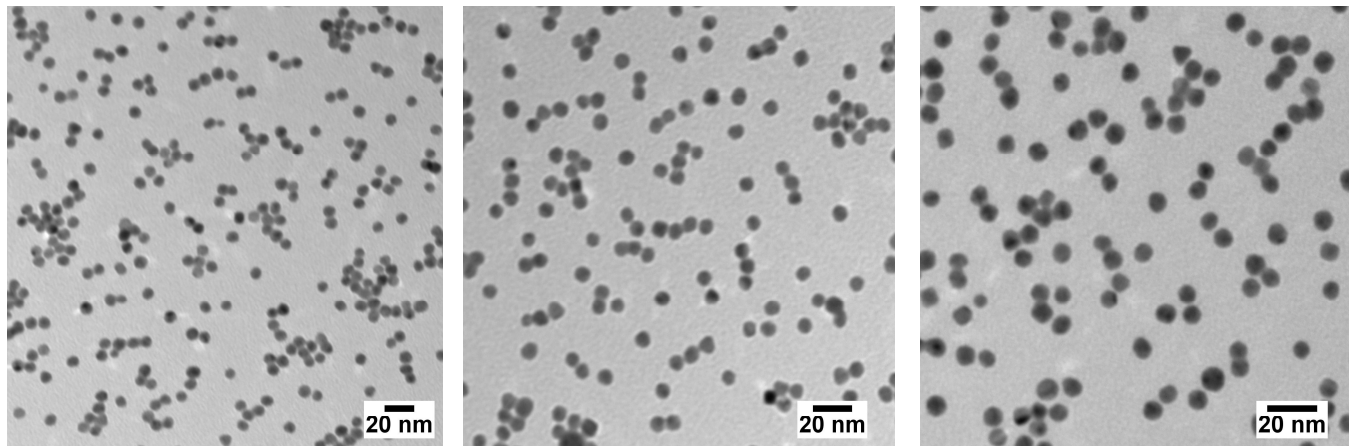


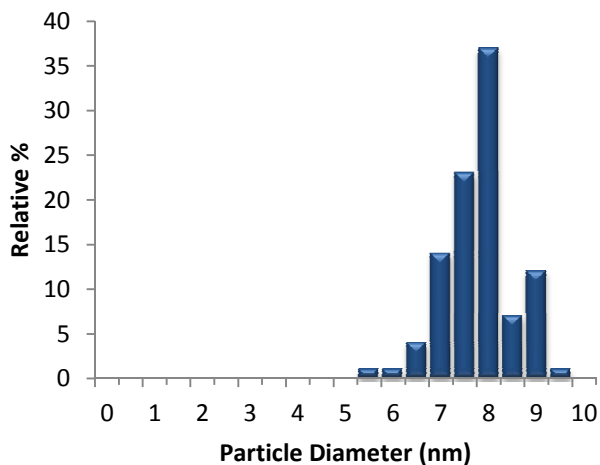
7 nm Lipoic Acid BioPure™ Gold

Lot Number: JEA0029

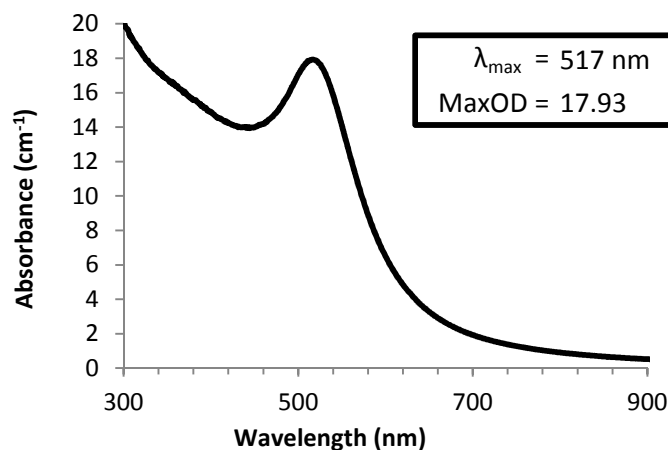
Diameter (TEM):	7.5 ± 0.8 nm	Hydrodynamic Diameter:	Not Reported*
Coefficient of Variation:	10.2 %	Zeta Potential:	Not Reported*
Surface Area (TEM):	40.5 m ² /g	pH of Solution:	6.6
Mass Concentration (Au):	1.08 mg/mL	Gold Purity:	99.99 %
Particle Concentration:	2.5E+14 particles/mL	Particle Surface:	Lipoic Acid
Endotoxin Concentration:	< 2.5 EU/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.

Storage: 4-25 °C. DO NOT FREEZE.

*For small diameter nanoparticles, DLS and Zeta Potential are not reported when the concentration is too low to get sufficient scattered light for an accurate measurement