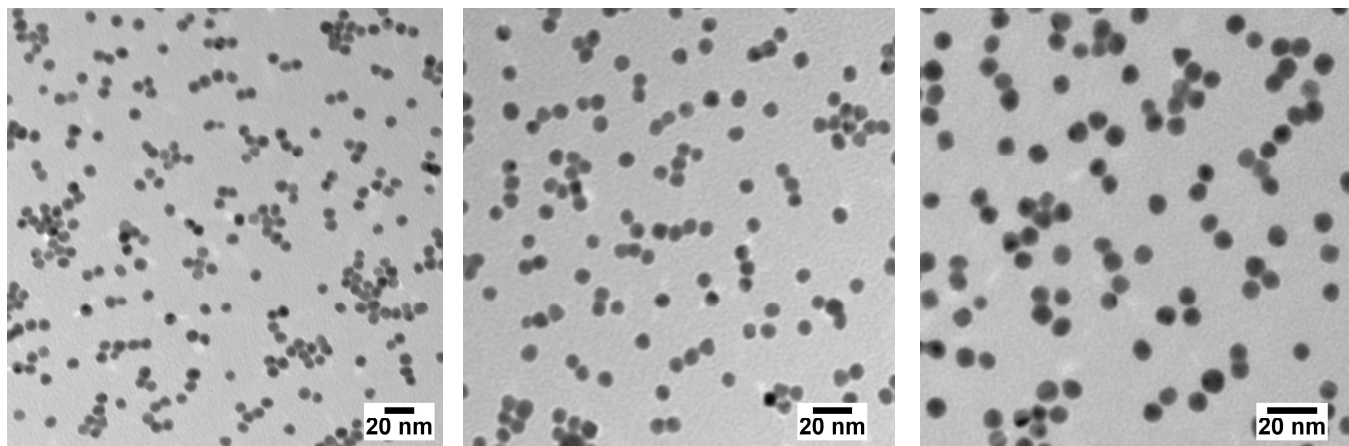


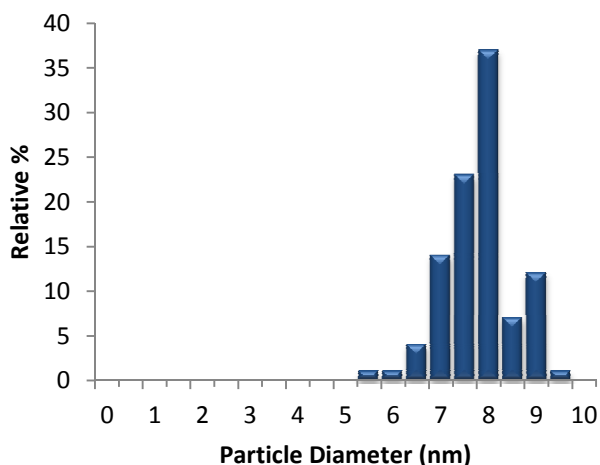
# 10 nm Lipoic Acid BioPure™ Gold

Lot Number: JEA0029

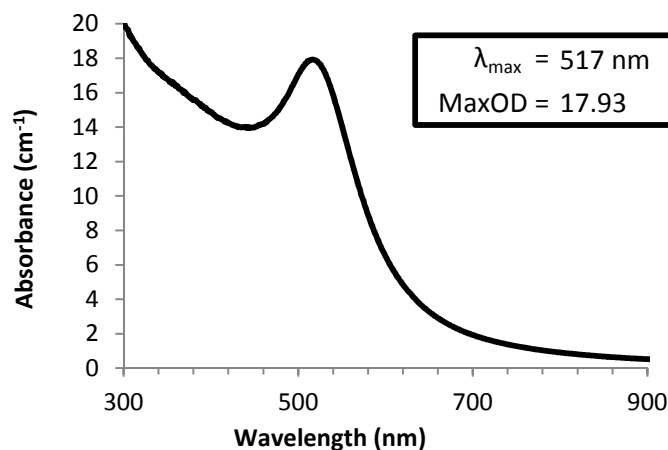
<b>Diameter (TEM):</b>	7.5 ± 0.8 nm	<b>Hydrodynamic Diameter:</b>	Not Reported*
<b>Coefficient of Variation:</b>	10.2 %	<b>Zeta Potential:</b>	Not Reported*
<b>Surface Area (TEM):</b>	40.5 m <sup>2</sup> /g	<b>pH of Solution:</b>	6.6
<b>Mass Concentration (Au):</b>	1.08 mg/mL	<b>Gold Purity:</b>	99.99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



**Size Distribution**



**Optical Properties**



## Characterization Instrumentation

<b>Diameter and Size Statistics:</b>	JEOL 1010 Transmission Electron Microscope
<b>Mass Concentration:</b>	Thermo Fisher X Series 2 ICP-MS
<b>Spectral Properties:</b>	Agilent 8453 UV-Visible Spectrometer
<b>Hydrodynamic Diameter/Zeta Potential:</b>	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