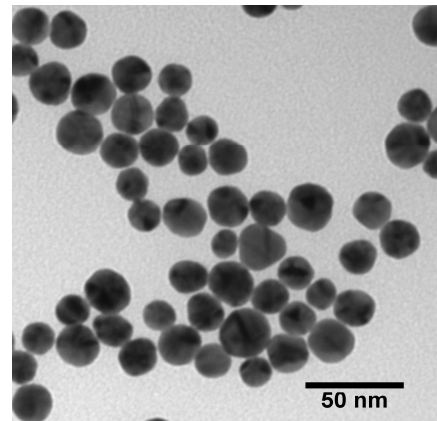
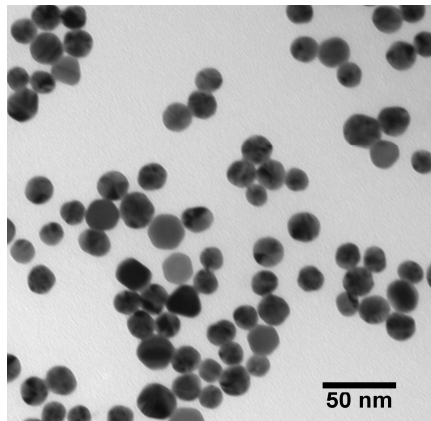
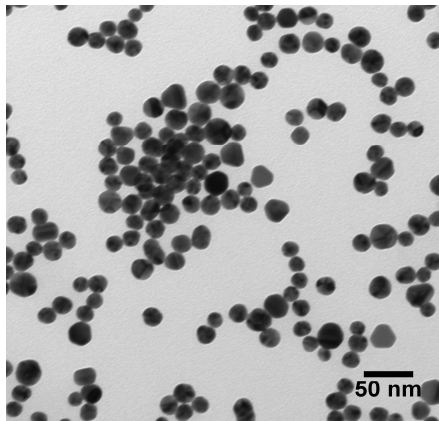


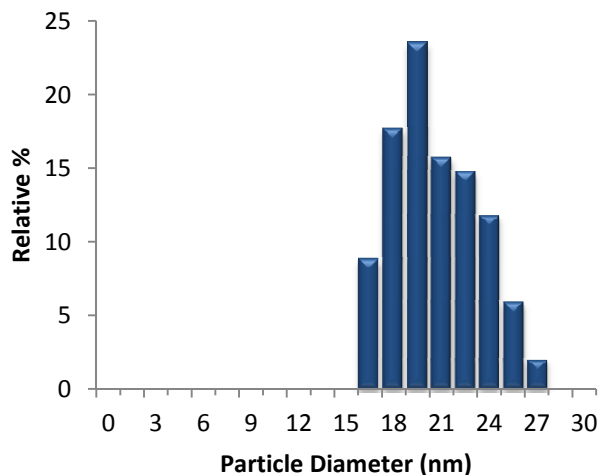
# 20 nm Gold Nanospheres, Lipoic Acid, BioPure™

Lot Number: JRC0044

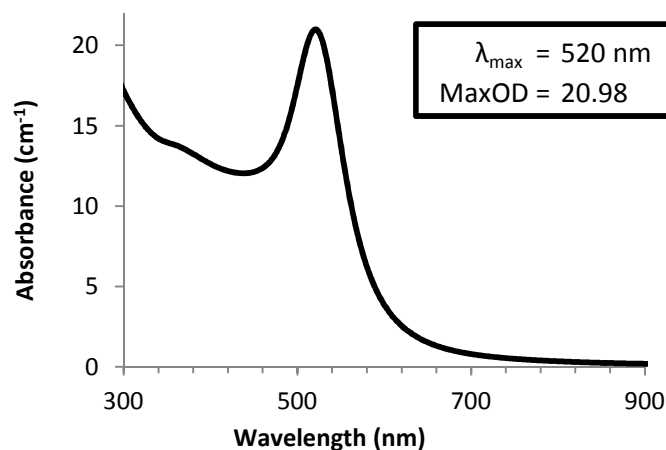
<b>Diameter (TEM):</b>	19.9 ± 2.7 nm	<b>Hydrodynamic Diameter:</b>	25 nm
<b>Coefficient of Variation:</b>	13.6 %	<b>Zeta Potential:</b>	-47 mV
<b>Surface Area (TEM):</b>	15.1 m <sup>2</sup> /g	<b>pH of Solution:</b>	6.9
<b>Mass Concentration (Au):</b>	1.08 mg/mL	<b>Gold Purity:</b>	99.99 %
<b>Particle Concentration:</b>	1.4E+13 particles/mL	<b>Particle Surface:</b>	Lipoic Acid
<b>Endotoxin Concentration:</b>	< 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: 2-8 °C. DO NOT FREEZE.