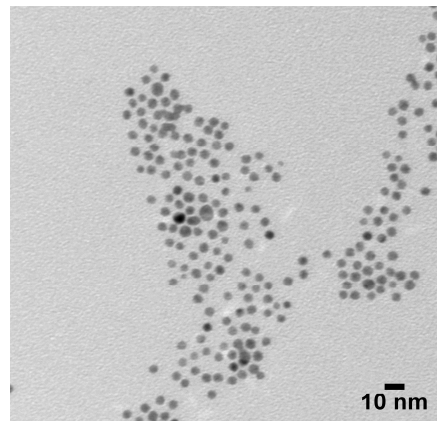
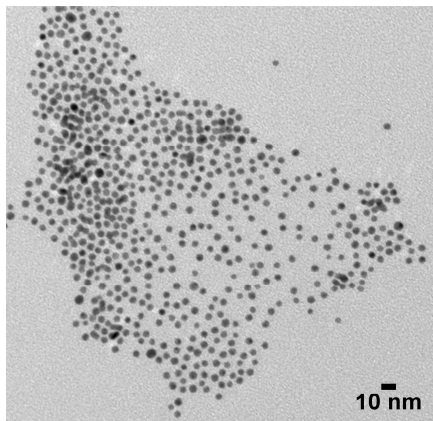
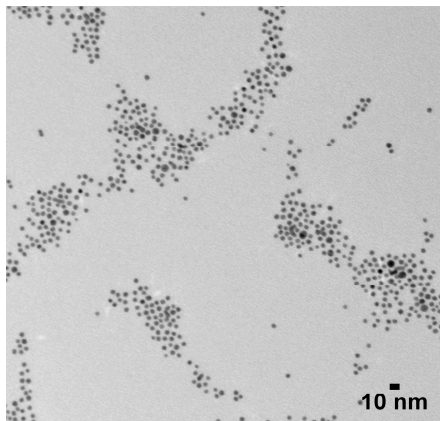


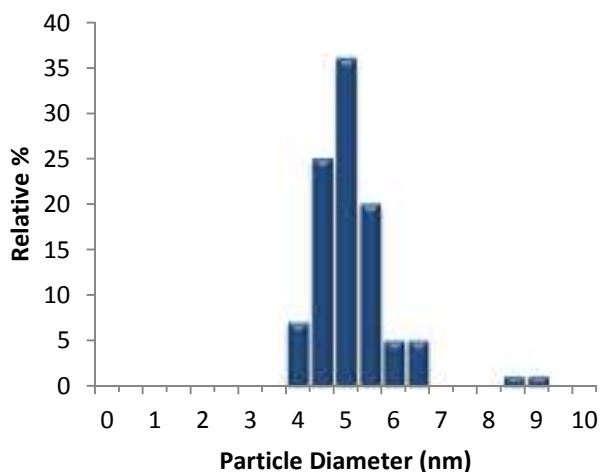
# 5 nm Gold Nanospheres, BPEI, BioPure™

Lot Number: SCM0046

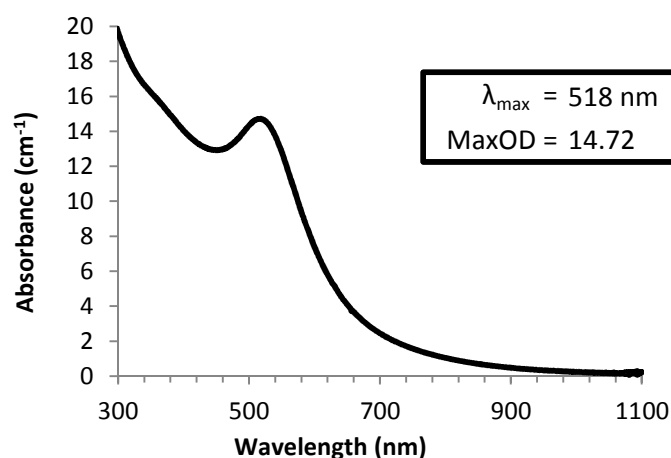
<b>Diameter (TEM):</b>	4.8 ± 0.8 nm	<b>Hydrodynamic Diameter:</b>	Not Reported*
<b>Coefficient of Variation:</b>	15.6 %	<b>Zeta Potential:</b>	Not Reported*
<b>Surface Area (TEM):</b>	60.9 m <sup>2</sup> /g	<b>pH of Solution:</b>	7.5
<b>Mass Concentration (Au):</b>	1.05 mg/mL	<b>Gold Purity:</b>	99.99 %
<b>Particle Concentration:</b>	9.2E+14 particles/mL	<b>Particle Surface:</b>	bPEI
<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

**Storage: 2-25 °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