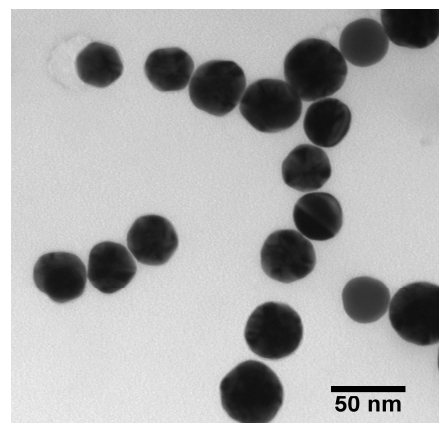
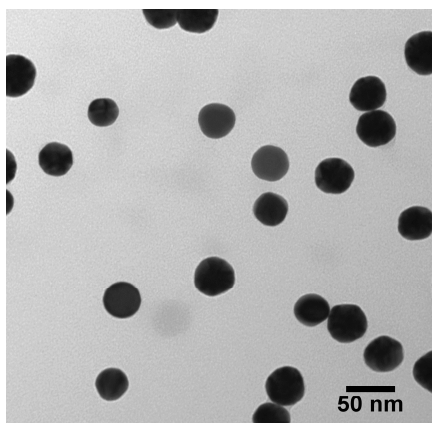
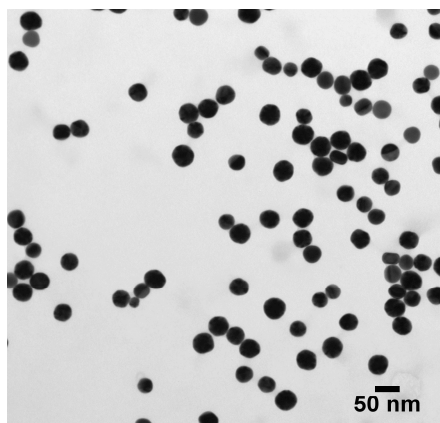


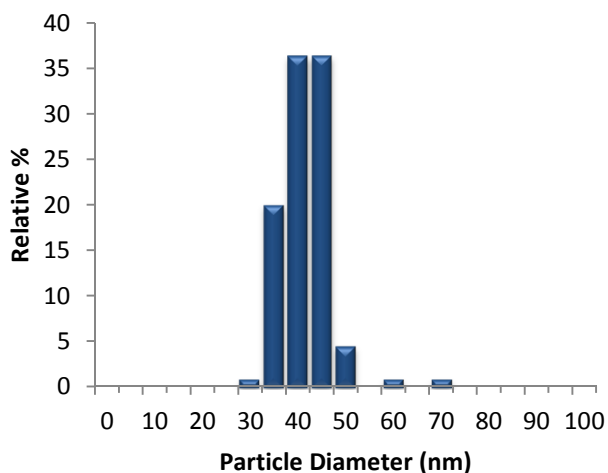
# 40 nm Gold Nanospheres, BPEI, BioPure™

Lot Number: SCM0083

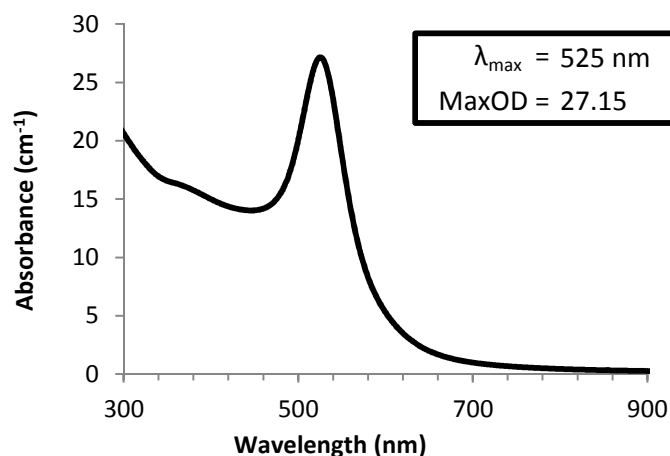
<b>Diameter (TEM):</b>	39 ± 5 nm	<b>Hydrodynamic Diameter:</b>	61 nm
<b>Coefficient of Variation:</b>	13.5 %	<b>Zeta Potential:</b>	65 mV
<b>Surface Area (TEM):</b>	7.6 m <sup>2</sup> /g	<b>pH of Solution:</b>	7.4
<b>Mass Concentration (Au):</b>	1.09 mg/mL	<b>Gold Purity:</b>	99.99 %
<b>Particle Concentration:</b>	1.8E+12 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
<b>Hydrodynamic Diameter/Zeta Potential:</b>	Malvern Zetasizer Nano ZS.

Storage: 2-8 °C. DO NOT FREEZE.