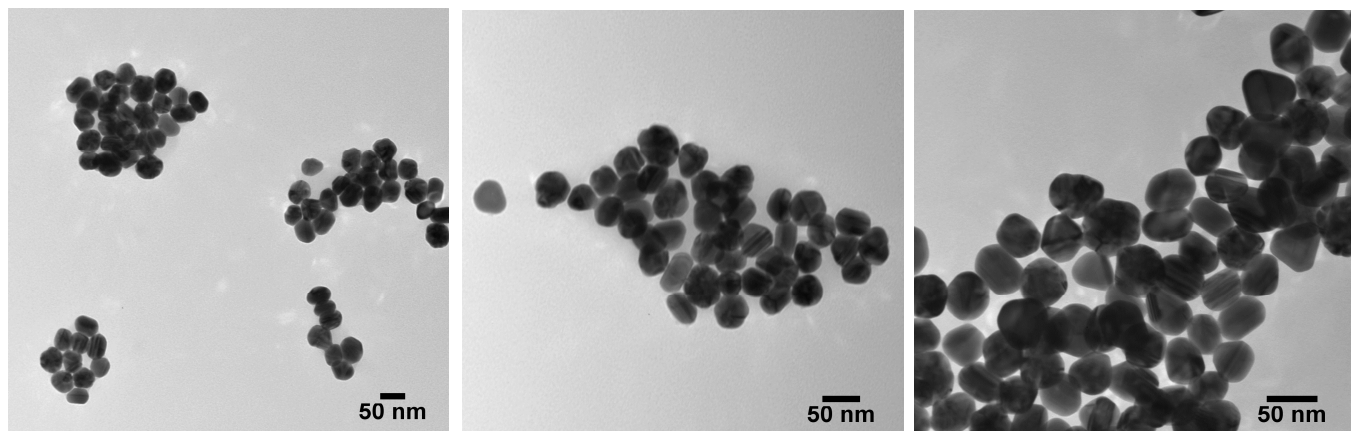


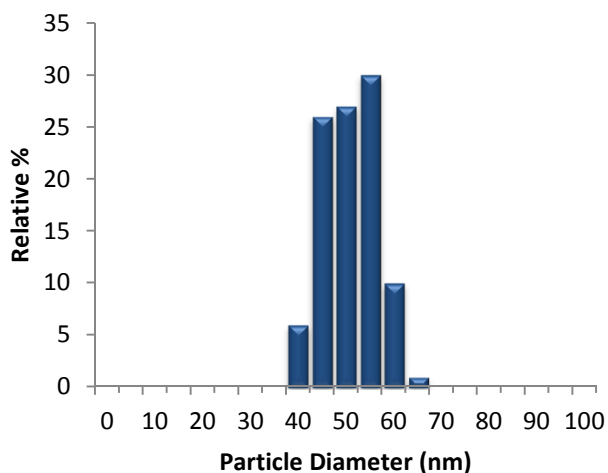
# 50 nm Silver Nanospheres, Citrate, BioPure™

Lot Number: HKE0014

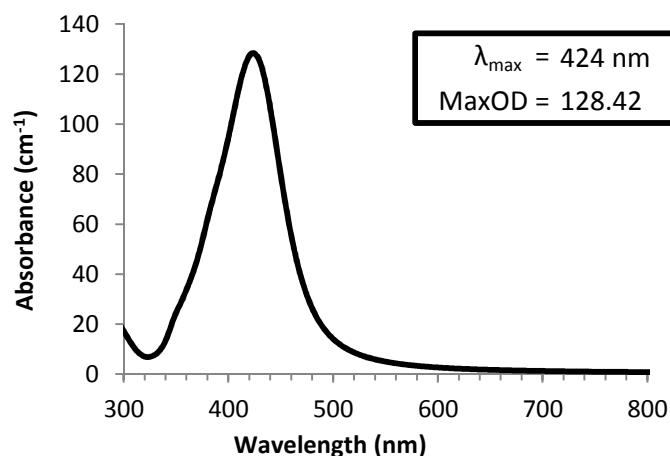
<b>Diameter (TEM):</b>	48 ± 5 nm	<b>Hydrodynamic Diameter:</b>	48 nm
<b>Coefficient of Variation:</b>	11.2 %	<b>Zeta Potential:</b>	-47 mV
<b>Surface Area (TEM):</b>	11.6 m <sup>2</sup> /g	<b>pH of Solution:</b>	7.6
<b>Mass Concentration (Ag):</b>	1.08 mg/mL	<b>Silver Purity:</b>	99.99 %
<b>Particle Concentration:</b>	1.8E+12 particles/mL	<b>Particle Surface:</b>	Sodium Citrate
<b>Endotoxin Concentration:</b>	< 2.5 EU/mL	<b>Solvent:</b>	Aqueous 2mM Citrate



**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 away from light. DO NOT FREEZE.