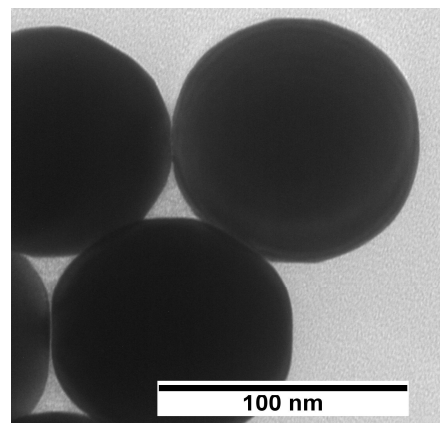
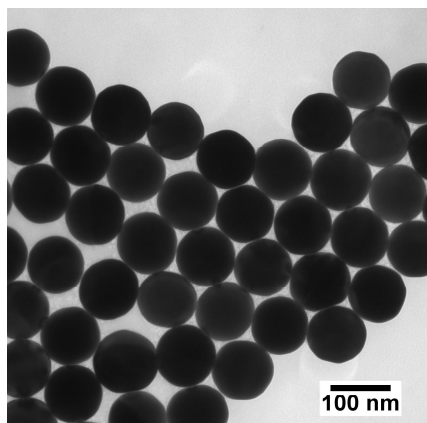
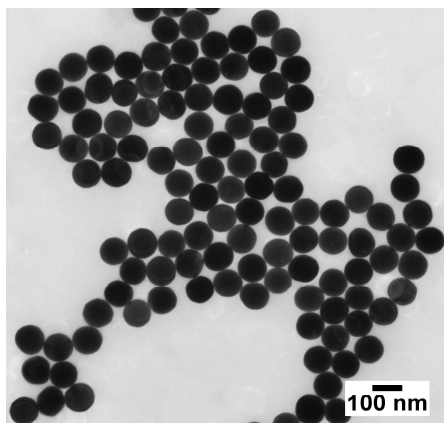


# 100 nm Gold Nanospheres, PEG Carboxyl, Ultra Uniform™

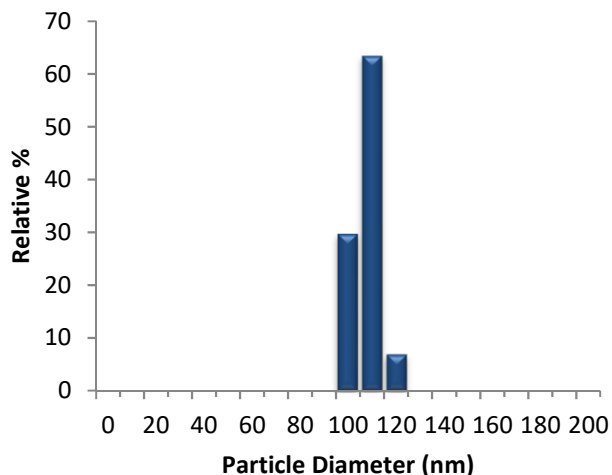
Product Number: AUXU100

Lot Number: PSK0236

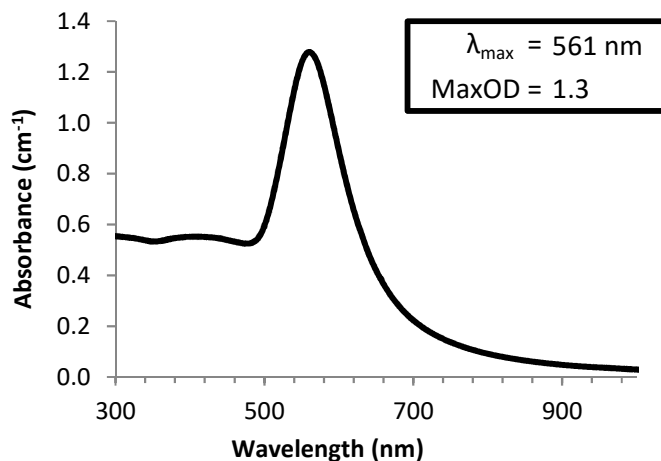
<b>Diameter ± Std.Dev (TEM):</b>	102.2 ± 4.2 nm	<b>Hydrodynamic Diameter:</b>	107 nm
<b>Coefficient of Variation:</b>	4.1 %	<b>Zeta Potential:</b>	-50 mV
<b>Surface Area (Calc'd):</b>	3.0 m <sup>2</sup> /g	<b>pH of Solution:</b>	7.6
<b>Mass Concentration (Au):</b>	0.053 mg/mL	<b>Gold Purity:</b>	99.99 %
<b>Particle Concentration (Calc'd):</b>	4.9E+09 particles/mL	<b>Particle Surface:</b>	PEG <sub>12</sub> Carboxylic Acid
<b>Molar Particle Concentration:</b>	8.1E-12 particle # (mol/L)	<b>Solvent:</b>	Aqueous 2mM Sodium Citrate



Size Distribution



Optical Properties



### Characterization Instrumentation

<b>Diameter and Size Statistics:</b>	JEOL 1010 Transmission Electron Microscope; ImageJ
<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-(>10 nm Products Only)
<b>Endotoxin:</b>	Pyros Kinetix -Turbidimetric Assay-(BioPure Only)
<b>pH:</b>	Horiba - Laqua Twin pH Meter

Recommended storage: 2-8 °C. DO NOT FREEZE.