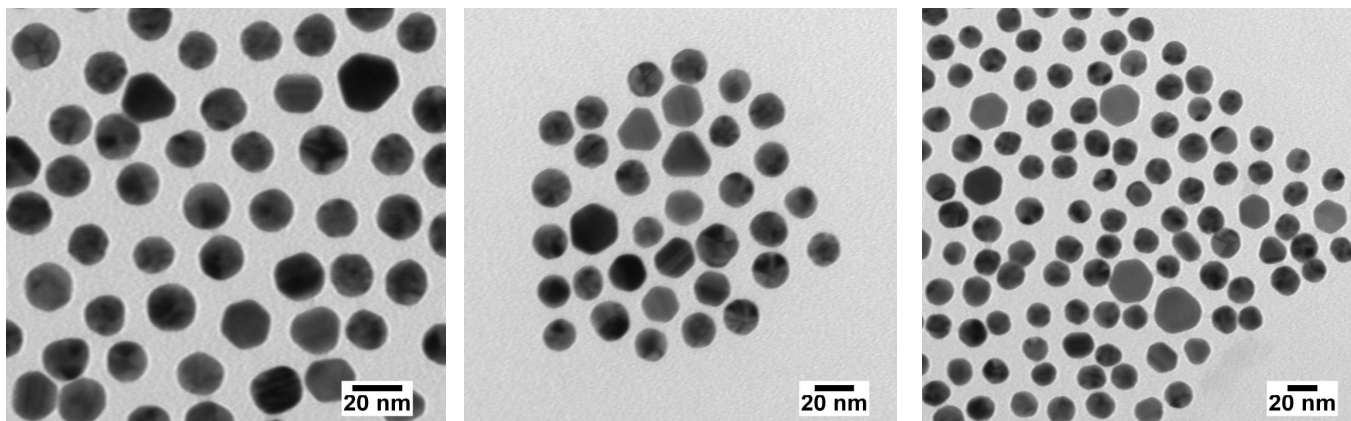


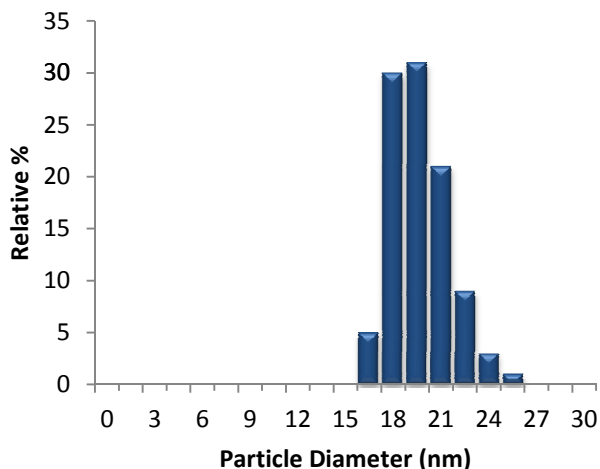
# 20 nm Gold Nanospheres, PEG, NanoXact™

Lot Number: ECP1490

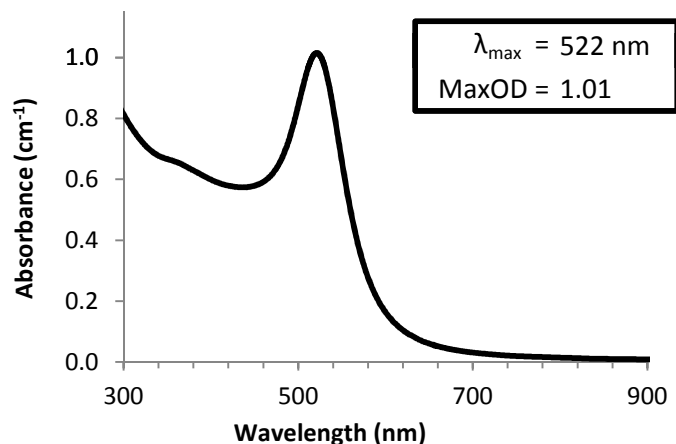
<b>Diameter (TEM):</b>	18.9 ± 1.8 nm	<b>Hydrodynamic Diameter:</b>	46 nm
<b>Coefficient of Variation:</b>	9.3 %	<b>Zeta Potential:</b>	-26 mV
<b>Surface Area (TEM):</b>	16.2 m <sup>2</sup> /g	<b>pH of Solution:</b>	5.3
<b>Mass Concentration (Au):</b>	0.053 mg/mL	<b>Gold Purity:</b>	99.99 %
<b>Particle Concentration:</b>	7.7E+11 particles/mL	<b>Particle Surface:</b>	mPEG 5 kDa
		<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: 2-25 °C. DO NOT FREEZE.