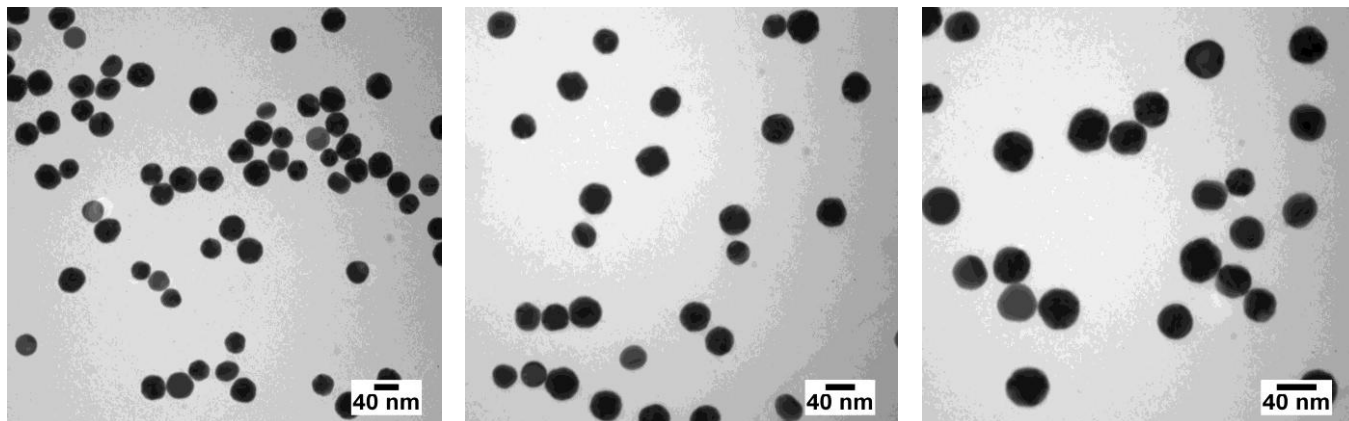


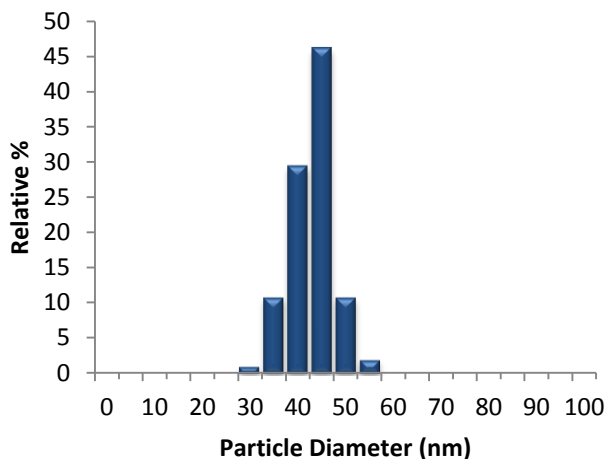
# 40 nm PVP NanoXact™ Gold

Lot Number: ECP1036

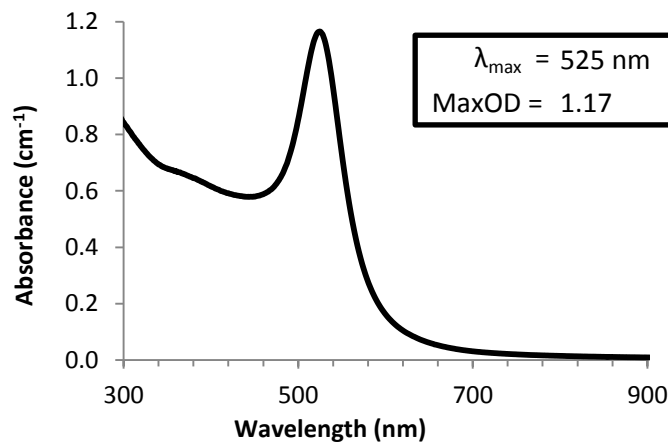
<b>Diameter (TEM):</b>	40.8 ± 4.5 nm	<b>Hydrodynamic Diameter:</b>	68.7 nm
<b>Coefficient of Variation:</b>	11.1 %	<b>Zeta Potential:</b>	-31.0 mV
<b>Surface Area (TEM):</b>	7.4 m <sup>2</sup> /g	<b>pH of Solution:</b>	5.7
<b>Mass Concentration (Au):</b>	0.052 mg/mL	<b>Particle Surface:</b>	PVP
<b>Particle Concentration:</b>	7.5E+10 particles/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 and Handling: 4 °C away from light. DO NOT FREEZE.