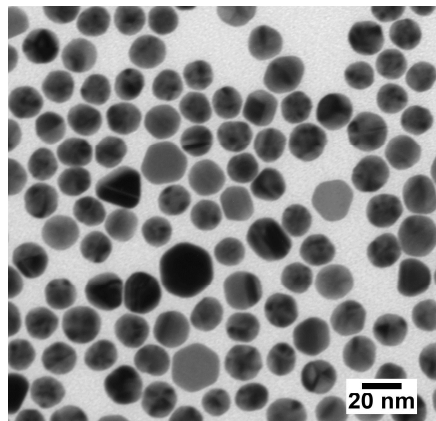
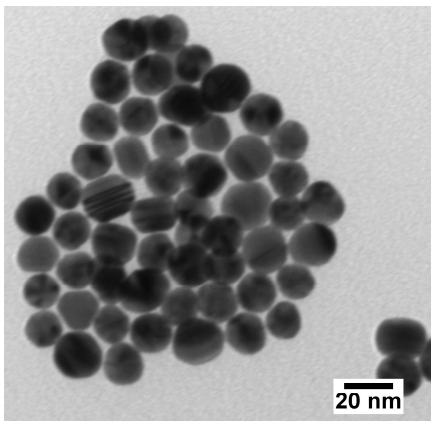
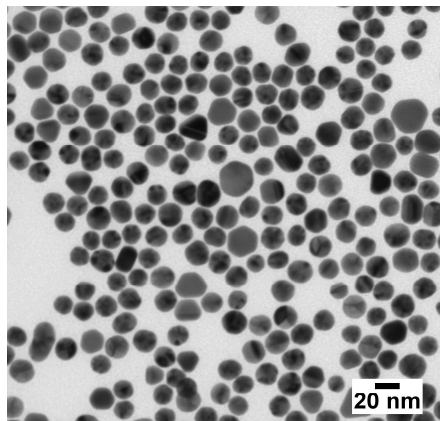


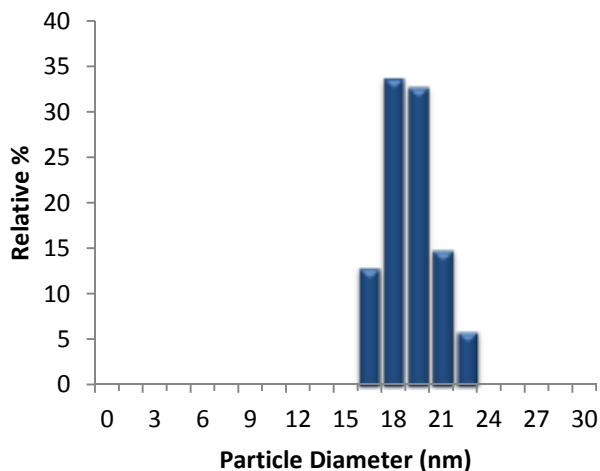
# 20 nm Gold Nanospheres, BPEI, NanoXact™

Lot Number: HKE0008

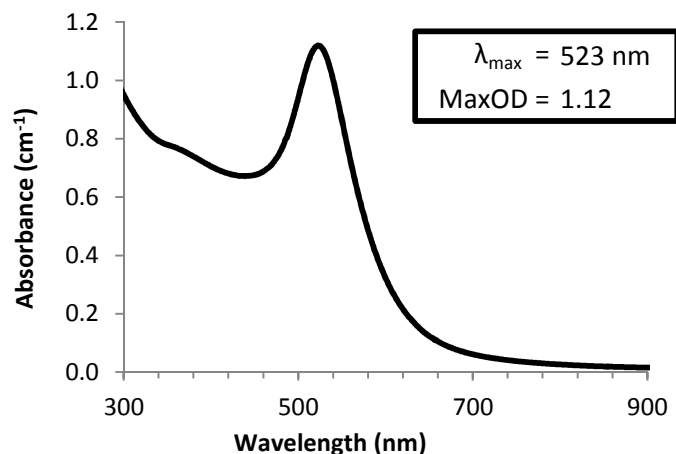
<b>Diameter (TEM):</b>	18.2 ± 1.6 nm	<b>Hydrodynamic Diameter:</b>	33 nm
<b>Coefficient of Variation:</b>	9.0 %	<b>Zeta Potential:</b>	52 mV
<b>Surface Area (TEM):</b>	16.8 m <sup>2</sup> /g	<b>pH of Solution:</b>	6.2
<b>Mass Concentration (Au):</b>	0.054 mg/mL	<b>Gold Purity:</b>	99.99 %
<b>Particle Concentration:</b>	8.9E+11 particles/mL	<b>Particle Surface:</b>	bPEI
		<b>Solvent:</b>	Milli-Q Water



## Size Distribution



## Optical Properties



### Characterization Instrumentation

**Diameter and Size Statistics:**

**Mass Concentration:**

**Spectral Properties:**

**Hydrodynamic Diameter/Zeta Potential:**

JEOL 1010 Transmission Electron Microscope

Thermo Fisher X Series 2 ICP-MS

Agilent 8453 UV-Visible Spectrometer

Malvern Zetasizer Nano ZS.

Storage: 2-8 °C. DO NOT FREEZE.