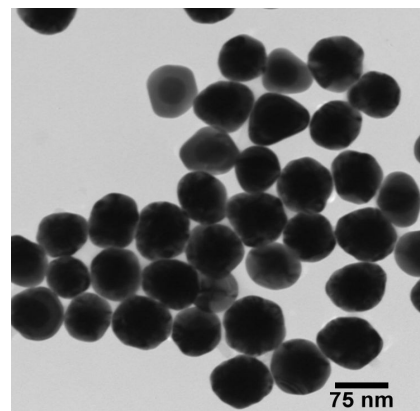
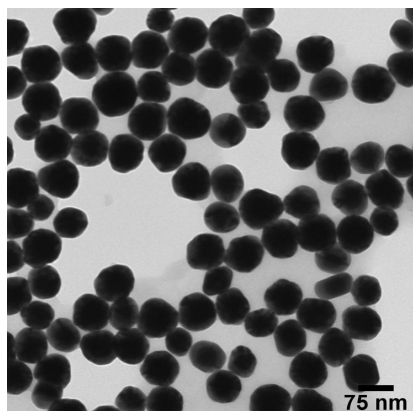
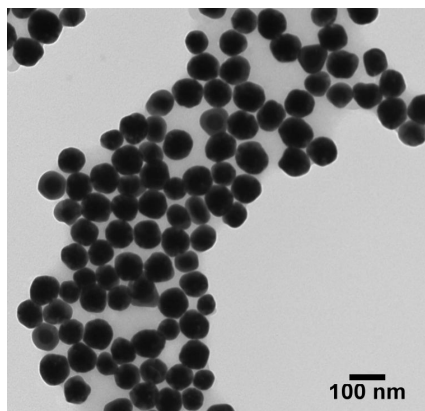


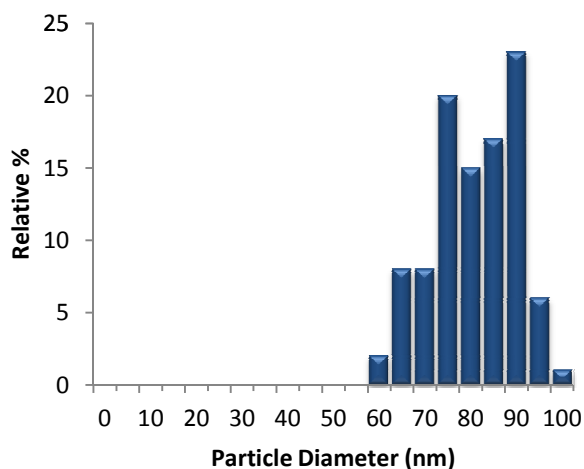
80 nm Silver Shelled Gold Nanospheres, Citrate, NanoXact™

Lot Number: KJW2242

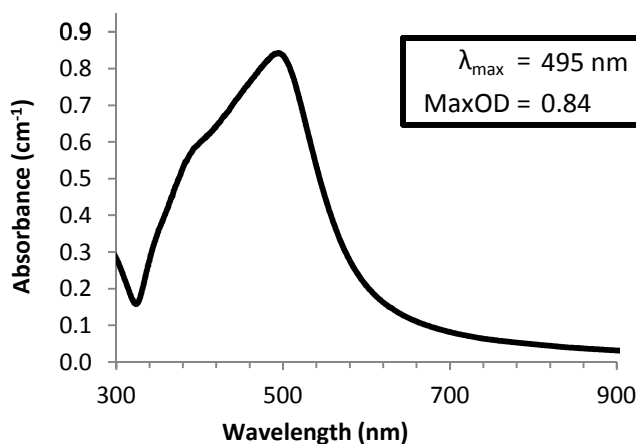
Total Diameter (TEM):	79 ± 9 nm	Mass Concentration (Ag)	0.012 mg/mL
Coefficient of Variation:	11.5 %	Mass Concentration (Au):	0.009 mg/mL
Core Diameter (TEM):	51 ± 6 nm	Hydrodynamic Diameter:	85 nm
Shell Thickness (Calc'd):	14 nm	Zeta Potential:	-45 mV
Surface Area (Calc'd):	5.8 m ² /g	pH of Solution:	7.6
Particle Concentration:	6.4E+09 particles/mL	Particle Surface:	Sodium Citrate
Total Mass Conc. (Au/Ag):	0.021 mg/mL	Solvent:	Aqueous 2mM Citrate



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 away from light. DO NOT FREEZE.