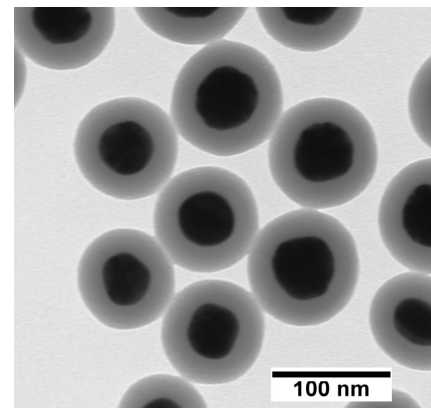
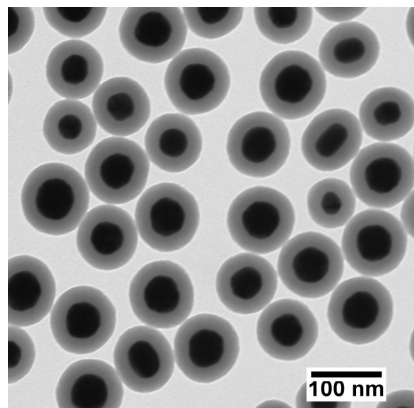
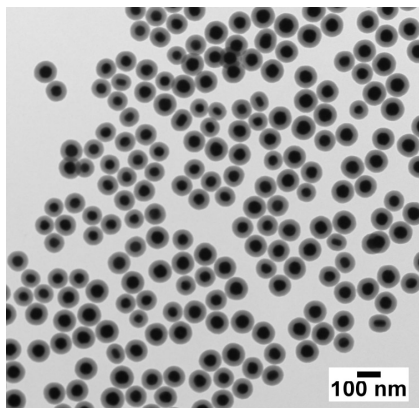


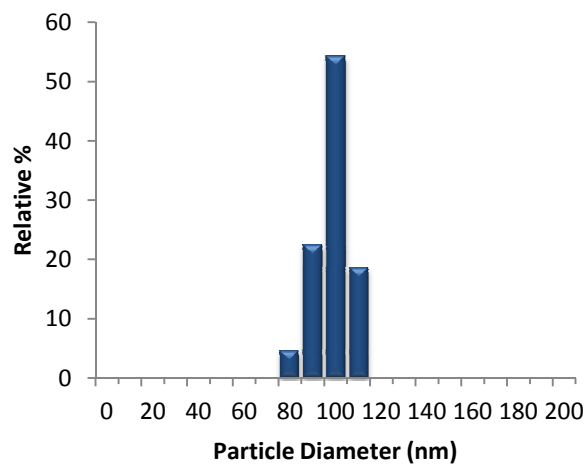
Silica Shelled 50 nm NanoXact™ Gold

Lot Number: IXW0984

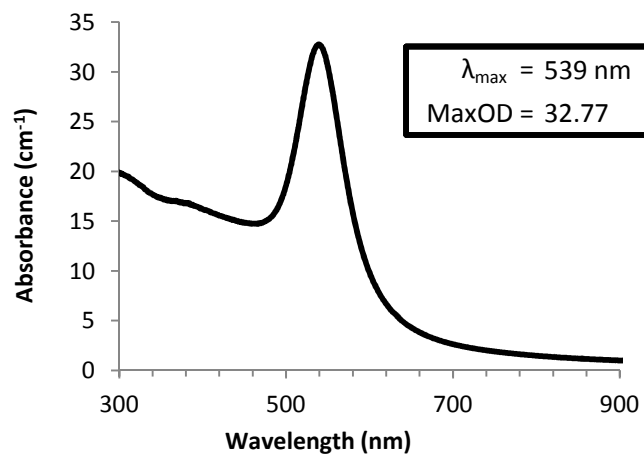
Total Diameter (TEM):	93.7 ± 7.0 nm	Mass Concentration (Au):	1.05 mg/mL
Coefficient of Variation:	7.4 %	Hydrodynamic Diameter:	131.1 nm
Core Diameter (TEM):	48.9 ± 6.4 nm	Zeta Potential:	-28.1 mV
Shell Thickness (TEM):	22.4 nm	Zeta pH:	6.7
Surface Area (Calc'd):	13.7 m ² /g	Zeta Solvent:	Milli-Q H2O
Particle Concentration:	8.9E+11 particles/mL	Particle Surface:	Silanol
		Solvent:	Ethanol



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:	JEOL 1010 Transmission Electron Microscope
Mass Concentration:	Thermo Fisher X Series 2 ICP-MS
Spectral Properties:	Agilent 8453 UV-Visible Spectrometer
Hydrodynamic Diameter/Zeta Potential:	Malvern Zetasizer Nano ZS.

Shake vigorously before use. Bath sonicate if needed. Storage: 4-25 °C. DO NOT FREEZE.