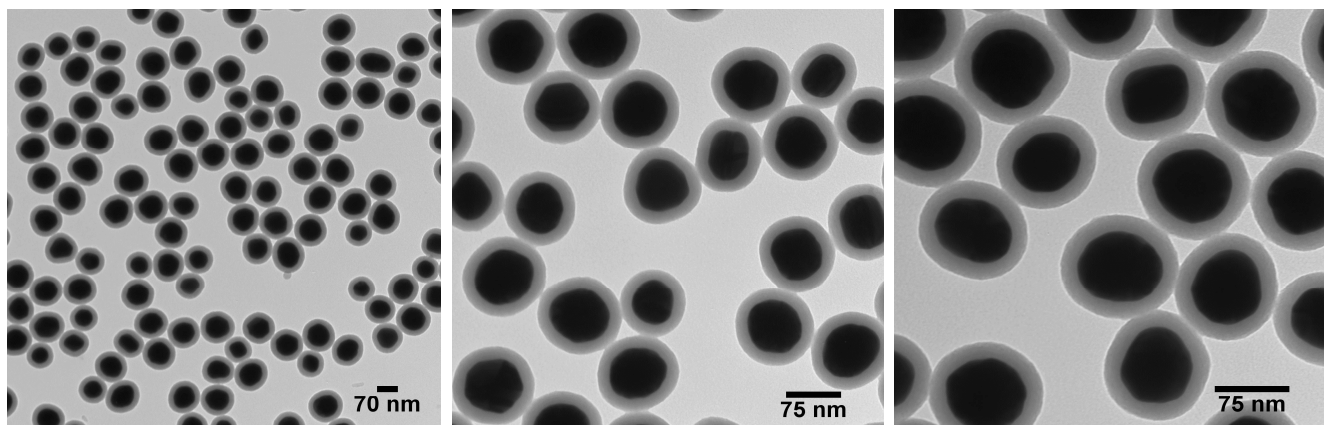


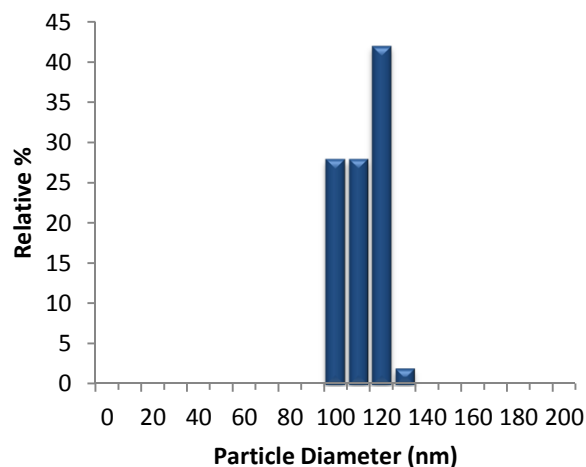
Silica Shelled 70 nm Gold Nanospheres, NanoXact™

Lot Number: CLF0244

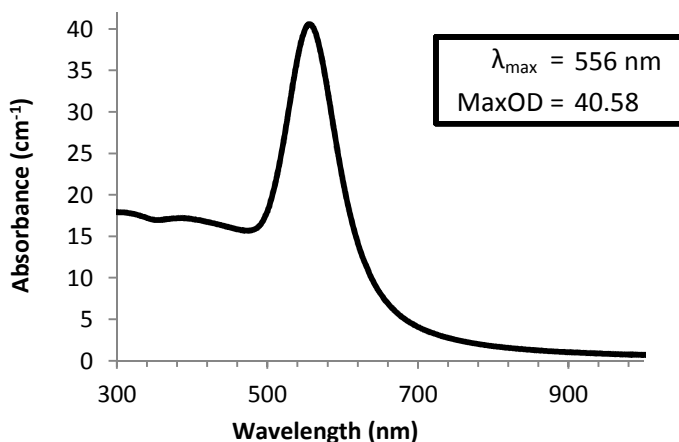
Total Diameter (TEM):	107 ± 8 nm	Mass Concentration (Au):	1.10 mg/mL
Coefficient of Variation:	7.1 %	Hydrodynamic Diameter:	134 nm
Core Diameter (TEM):	72 ± 7 nm	Zeta Potential:	-17.2 mV
Shell Thickness (TEM):	17 nm	Zeta pH:	8.5
Surface Area (Calc'd):	7.4 m ² /g	Zeta Solvent:	Milli-Q H2O
Particle Concentration:	2.9E+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: 2-8 °C. DO NOT FREEZE.