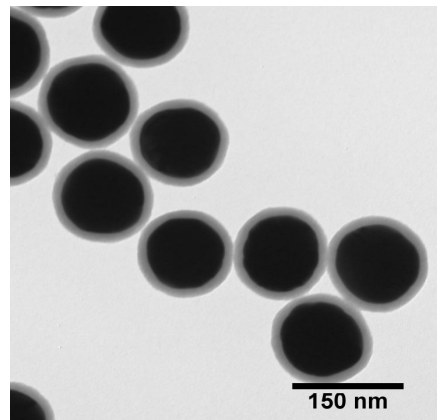
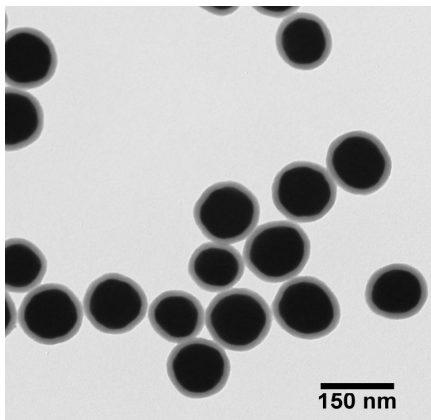
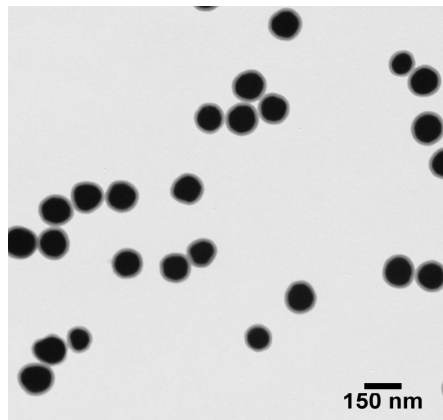


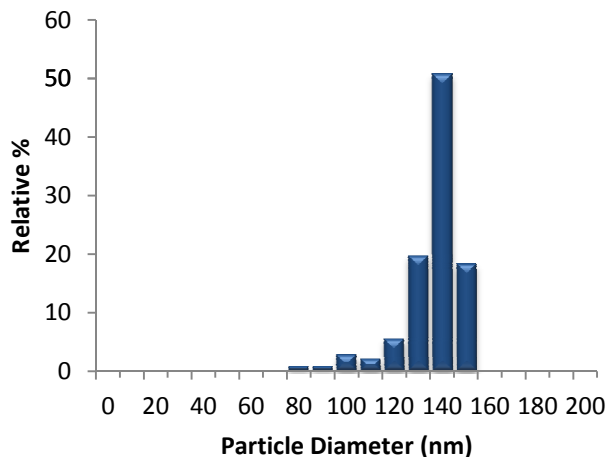
Aminated Silica Shelled 100 nm NanoXact™ Gold

Lot Number: IXW0446

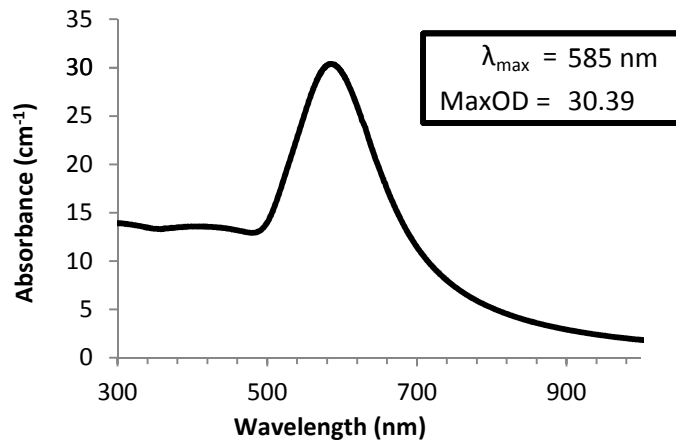
Total Diameter (TEM):	131.2 nm	Mass Concentration (Au):	1.16 mg/mL
Coefficient of Variation:	9.4 %	Hydrodynamic Diameter:	144.5 nm
Core Diameter (TEM):	103.4 nm	Zeta Potential:	22.7 mV
Shell Thickness (TEM):	13.9 nm	pH of Solution:	6.2
Surface Area (TEM):	2.3 m ² /g	Particle Surface:	Amine Terminated
Particle Concentration:	5.0E+10 particles/mL	Solvent:	Ethyl Alcohol



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.

Storage and Handling: 4 °C away from light. DO NOT FREEZE.