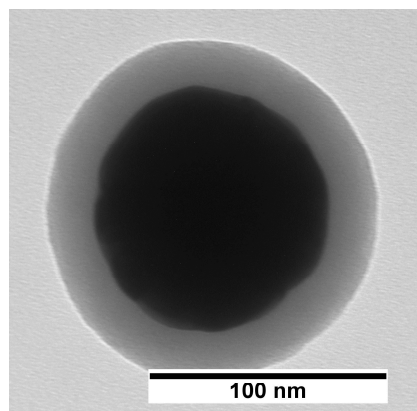
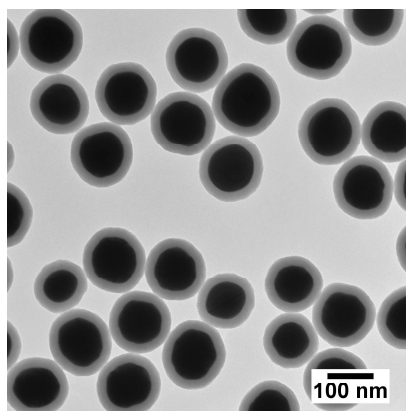
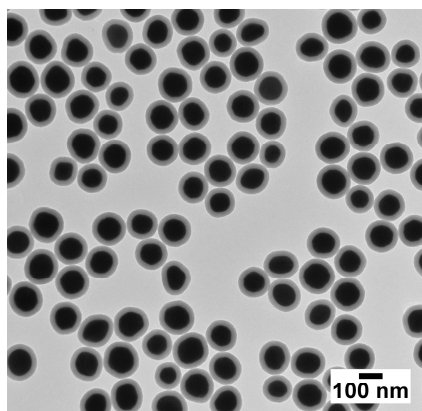


Silica Shelled 100 nm Gold Nanospheres, NanoXact™

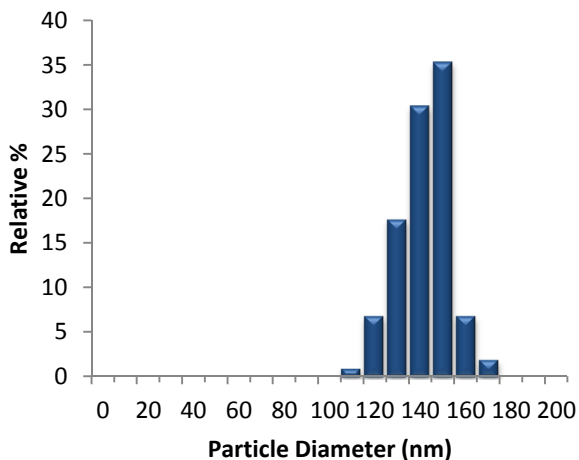
Product Number: AUSH100

Lot Number: SCS0087

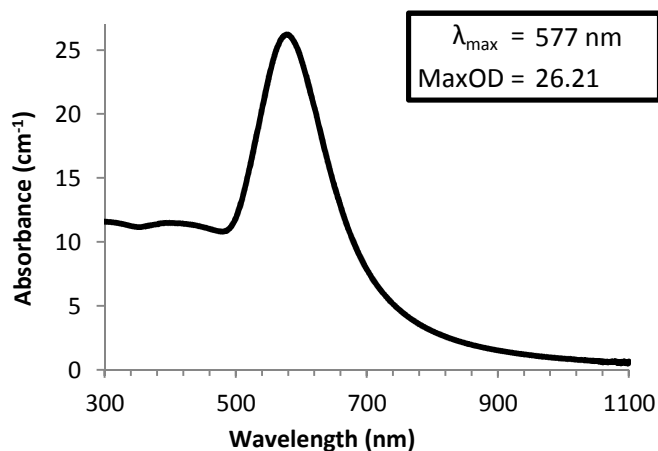
Total Diameter ± Std.Dev (TEM):	138 ± 11 nm	Hydrodynamic Diameter:	163 nm
Coefficient of Variation:	8.0 %	Zeta Potential:	-43 mV
Core Diameter (TEM):	95 ± 11 nm	Zeta pH:	5.64
Shell Thickness (TEM):	21.0 nm	Zeta Solvent:	Milli-Q H2O
Surface Area (Calc'd):	5.5 m ² /g	Particle Surface:	Silanol
Particle Concentration (Calc'd):	1.2E+11 particles/mL	Solvent:	Ethanol
		Mass Concentration (Au):	1.03 mg/mL



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
pH:	Horiba - Laqua Twin pH Meter

Shake vigorously before use. Bath sonicate if needed. Storage: 2-8 °C. DO NOT FREEZE.