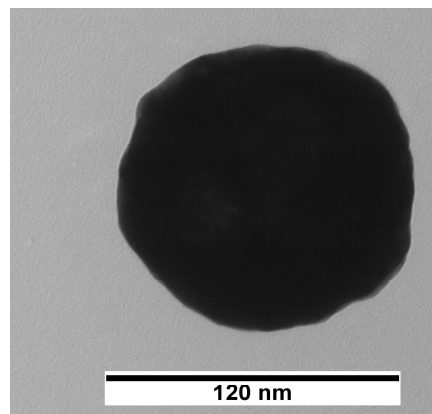
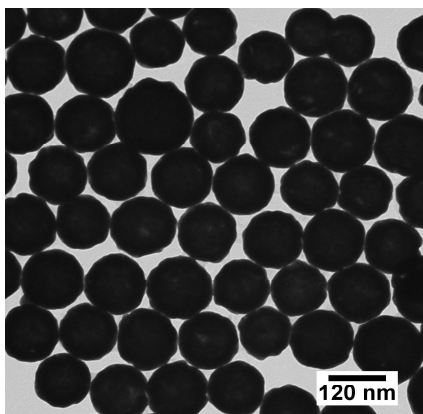
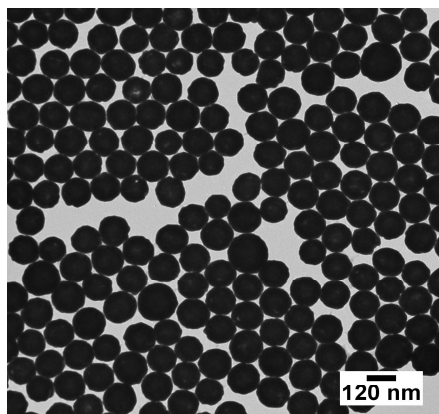


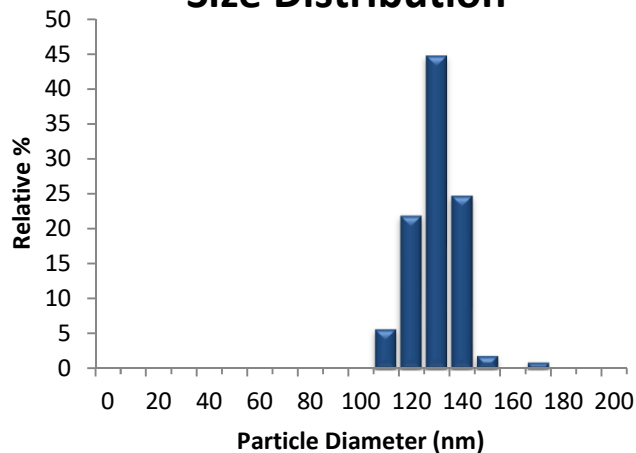
Gold Nanoshells, Peak Absorbance @ 660 nm, PEG, NanoXact™

Product Number: GSGH660
Lot Number: WTJ0539

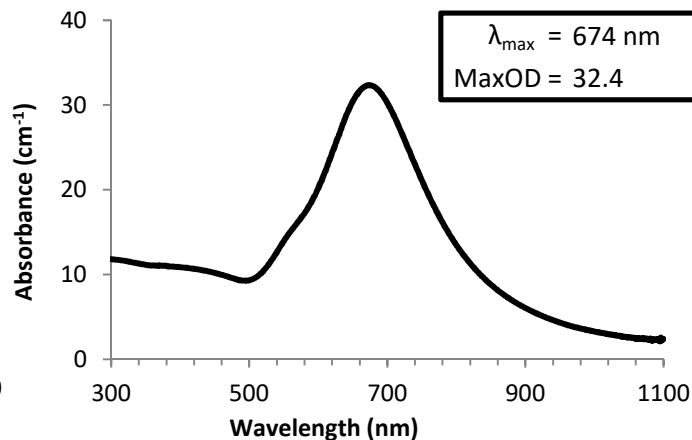
Total Diameter ± Std.Dev (TEM)*	125 ± 9 nm	Mass Concentration (Au):	1.05 mg/mL
Coefficient of Variation*:	7.2 %	Hydrodynamic Diameter:	153 nm
Core Diameter ± Std.Dev (TEM)*:	81 ± 8 nm	Zeta Potential:	-41 mV
Shell Thickness (Calc'd):	22 nm	pH of Solution:	5.5
Surface Area (Calc'd):	3.2 m ² /g	Particle Surface:	mPEG 5 kDa (Polymer)
Particle Concentration (Calc'd):	7.3E+10 particles/mL	Solvent:	USP Purified Water
% Absorbance at 660 nm:	97.9 %		



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:
Mass Concentration:
Spectral Properties:
Hydrodynamic Diameter/Zeta Potential:
pH:

JEOL 1010 Transmission Electron Microscope; ImageJ

Thermo Fisher X Series 2 ICP-MS

Agilent 8453 UV-Visible Spectrometer

Malvern Zetasizer Nano ZS

Horiba - Laqua Twin pH Meter

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

*Particle size data is based on measurements of singlet particles only.