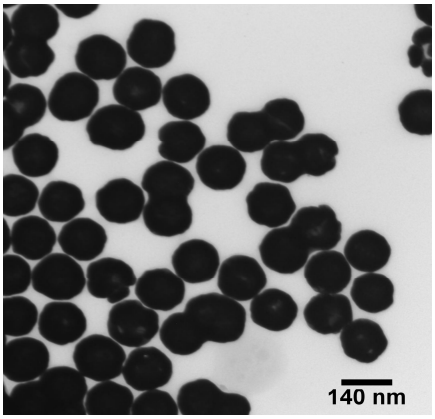
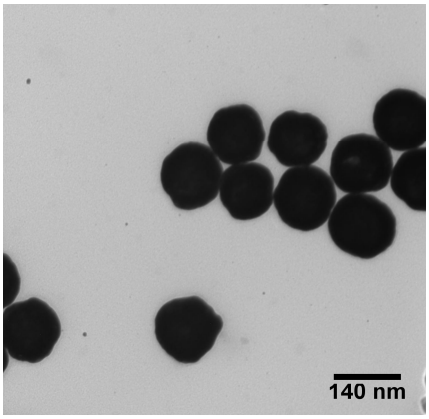
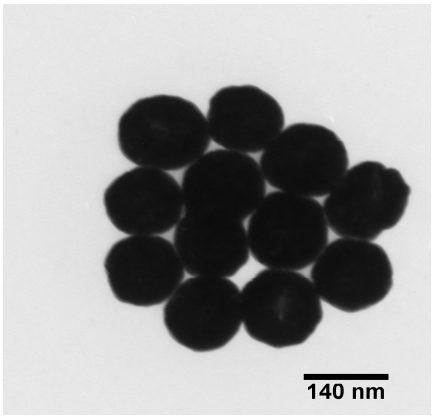
660 nm Resonant Gold Nanoshells, PEG

Lot Number: ECP1435

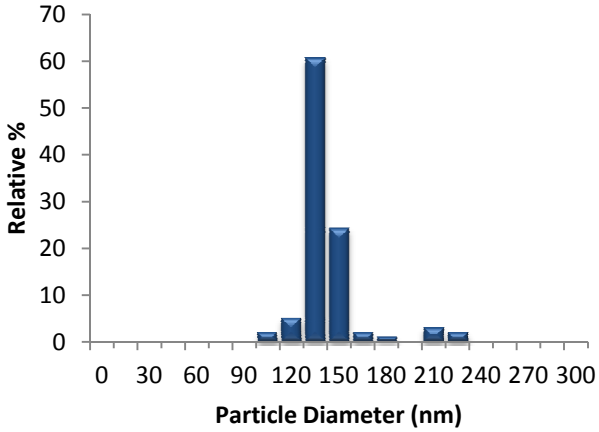
Total Diameter (TEM):	136 ± 19 nm	**Mass Concentration (Au):**	0.051 mg/mL
Coefficient of Variation:	14.2 %	**Hydrodynamic Diameter:**	169 nm
Core Diameter (TEM):	83 ± 5 nm	**Zeta Potential:**	-20 mV
Shell Thickness (Calc'd):	27 nm	**pH of Solution:**	5.4
Surface Area (Calc'd):	2.7 m^2/g	**Particle Surface:**	mPEG 5 kDa
		Solvent:	Milli-Q Water



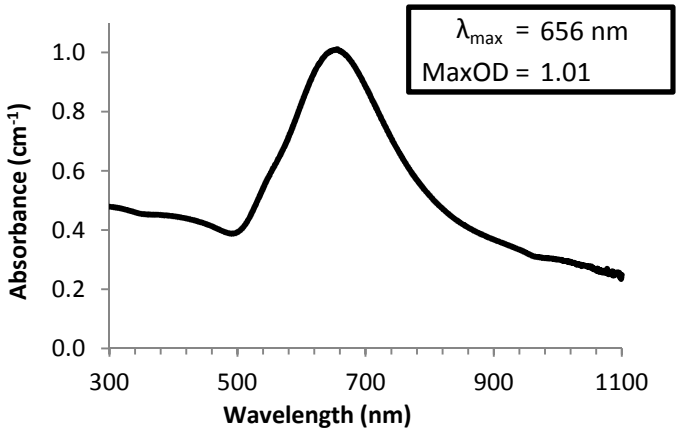




Size Distribution



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: 4-8 °C. DO NOT FREEZE.

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