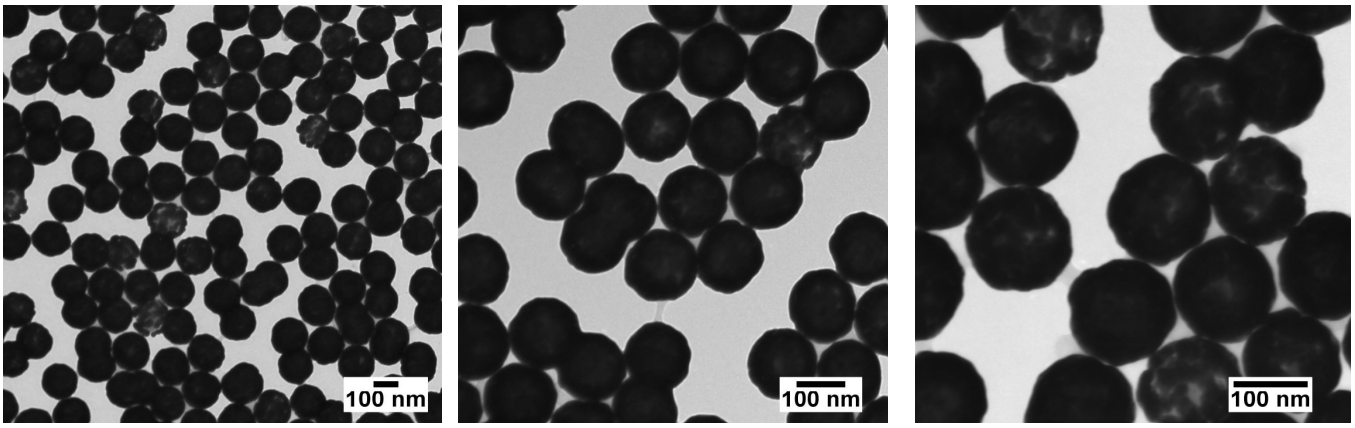
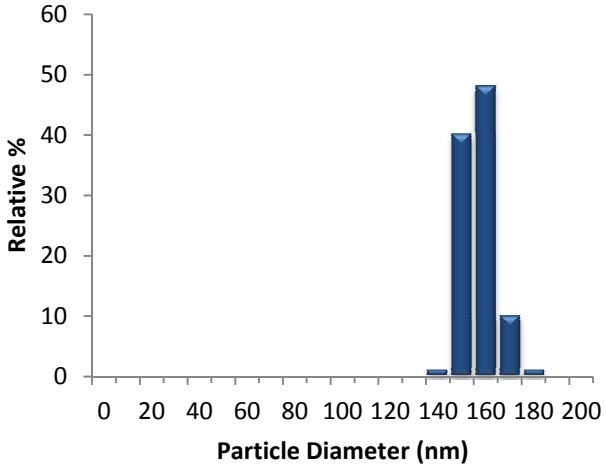
800 nm Resonant Gold Nanoshells, PVP

Lot Number: DAG2471

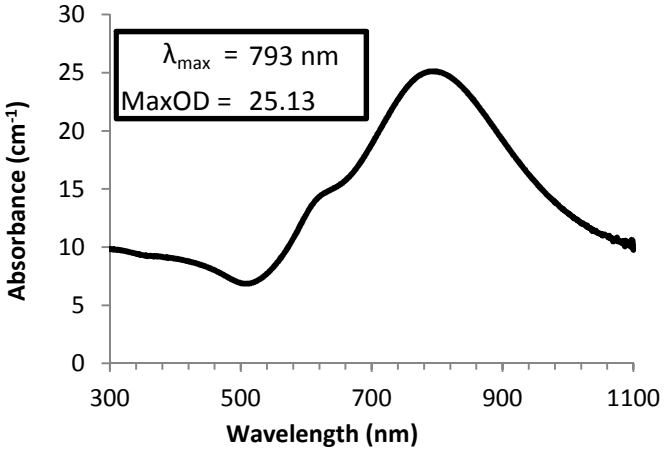
Total Diameter (TEM):	152.7 ± 6.8 nm	**Mass Concentration (Au):**	1.09 mg/mL
Coefficient of Variation:	4.4 %	**Hydrodynamic Diameter:**	176.7 nm
Core Diameter (TEM):	119.7 ± 8.8 nm	**Zeta Potential:**	-35.8 mV
Shell Thickness (Calc'd):	16.5 nm	**pH of Solution:**	6.6
Surface Area (Calc'd):	2.0 m^2/g	**Particle Surface:**	PVP
Particle Concentration:	5.8E+10 particles/mL	**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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