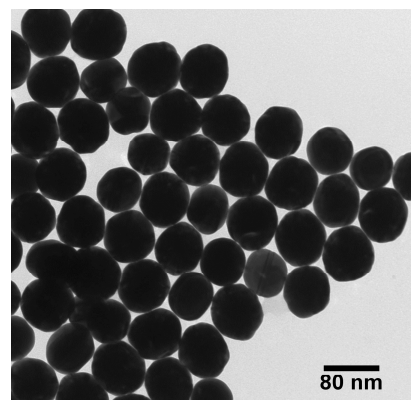
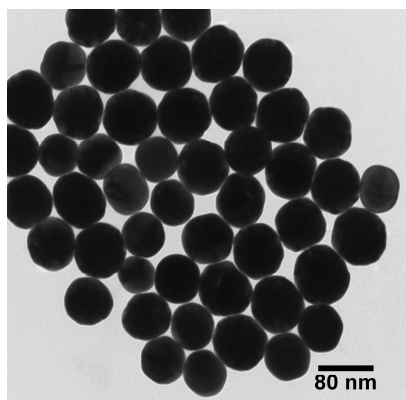
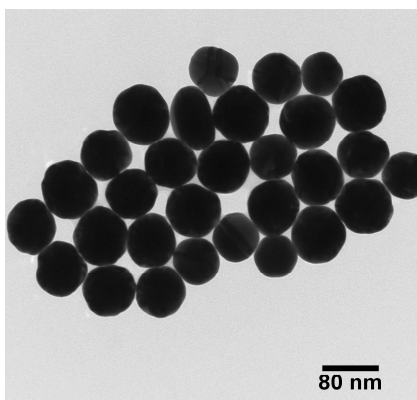


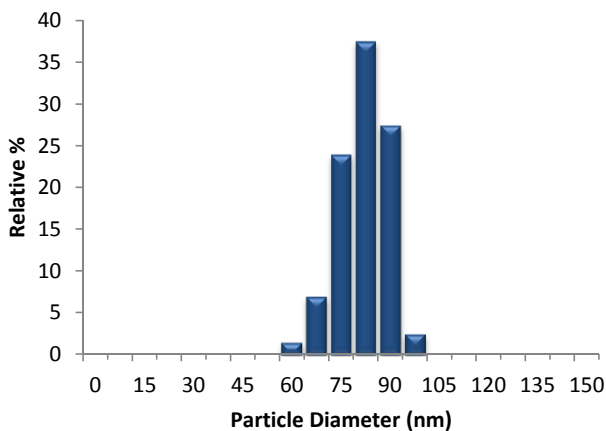
80 nm Gold Nanospheres, Carboxyl, 20 OD, BioReady™

Lot Number: RJG0190

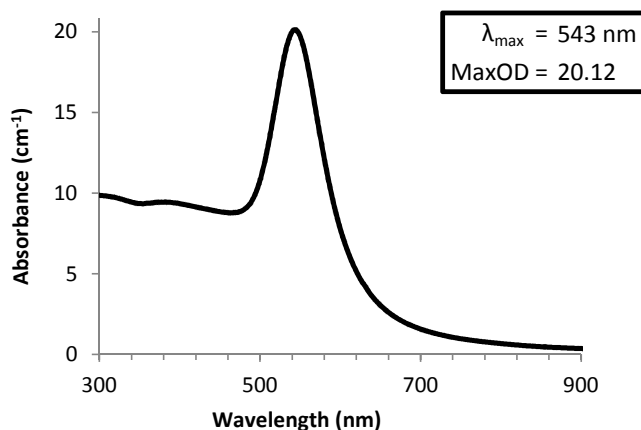
	Specification	Value	Unit		Specification	Value	Unit
Avg. Particle Diameter (TEM) :	75-85 nm	78 ± 7	nm		Surface Area (TEM):	Report	3.9 m ² /g
Coefficient of Variation:	< 15%	9.3	%		Zeta Potential:	< -25 mV	-63 mV
Particle Concentration:	Report	1.4E+11	particles/mL		Max OD:	19.7 - 20.3	20.12 n/a
Molar Particle Concentration:	Report	2.3E-10	mol particles/L		pH:*(Measure before use)	Report	6.2 n/a
Mass Concentration (Au):	Report	0.66	mg/mL		Particle Surface:	Report	Carboxyl (-COOH)
Hydrodynamic Diameter (DLS):	80-95 nm	89	nm		Solvent:	Report	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
pH:	Mettler Toledo - SevenCompact S220

Bath sonicate if needed. Storage: 2-8 °C. DO NOT FREEZE.