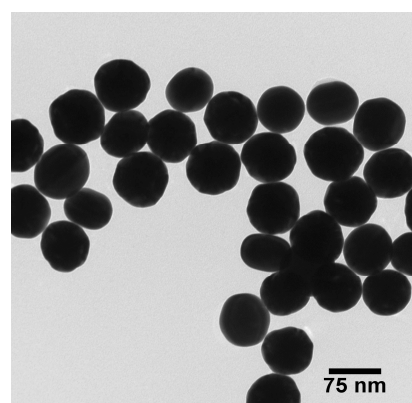
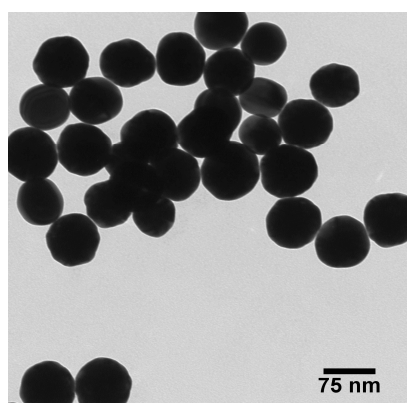
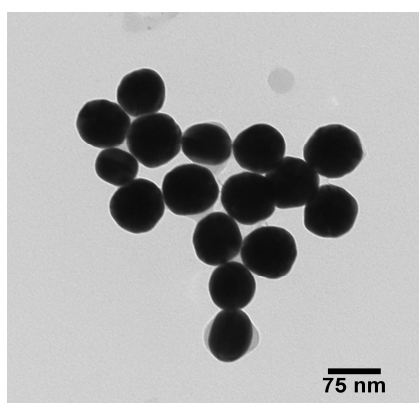


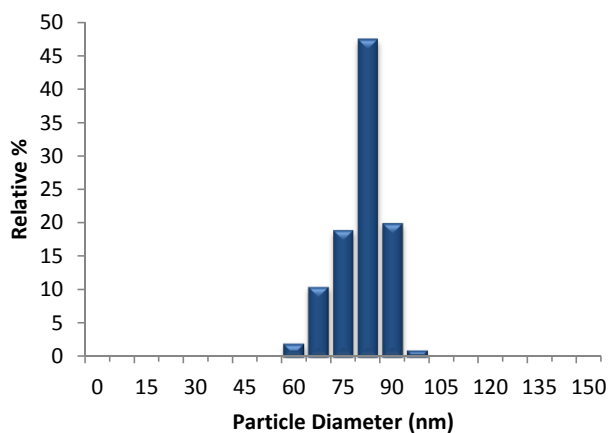
80 nm Gold Nanospheres, Bare (Carbonate), 5 OD, BioReady™

Lot Number: RJG0191

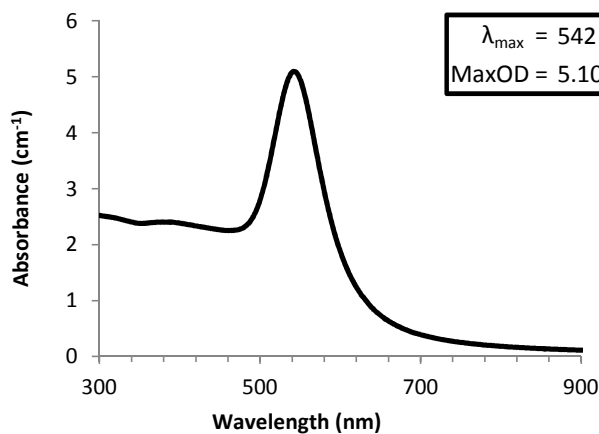
	Specification	Value	Unit		Specification	Value	Unit
Avg. Particle Diameter (TEM) :	75-85 nm	77 ± 7	nm	Surface Area (TEM):	Report	4.0	m ² /g
Coefficient of Variation:	< 15%	9.2	%	Zeta Potential:	< -25 mV	-45	mV
Particle Concentration:	Report	4.0E+10	particles/mL	Max OD:	4.8 - 5.2	5.1	n/a
Molar Particle Concentration:	Report	6.7E-11	mol particles/L	pH:*(Measure before use)	Report	7.1	n/a
Mass Concentration (Au):	Report	0.19	mg/mL	Particle Surface:	Report	Carbonate	
Hydrodynamic Diameter (DLS):	75-95 nm	79	nm	Solvent:	Report	Aqueous Potassium Carbonate	



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:

Mass Concentration:

Spectral Properties:

Hydrodynamic Diameter/Zeta Potential:

pH:

JEOL 1010 Transmission Electron Microscope

Thermo Fisher X Series 2 ICP-MS

Agilent 8453 UV-Visible Spectrometer

Malvern Zetasizer Nano ZS

Mettler Toledo - SevenCompact S220

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