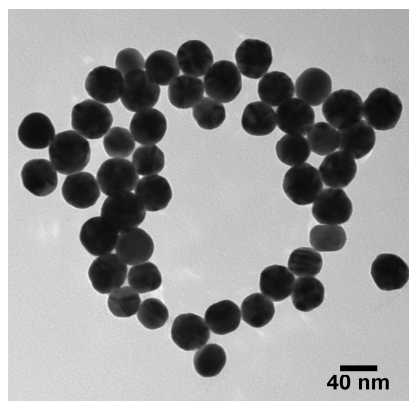
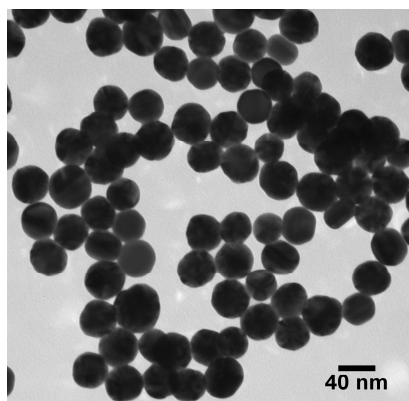
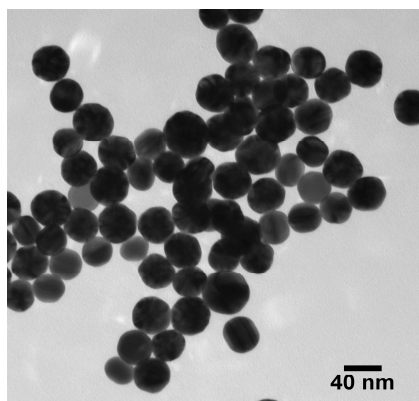


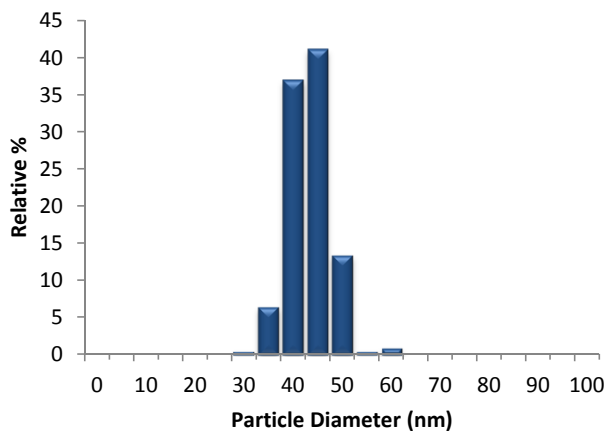
40 nm Gold Nanospheres, Bare (Carbonate), 20 OD, BioReady™

Lot Number: RJG0245

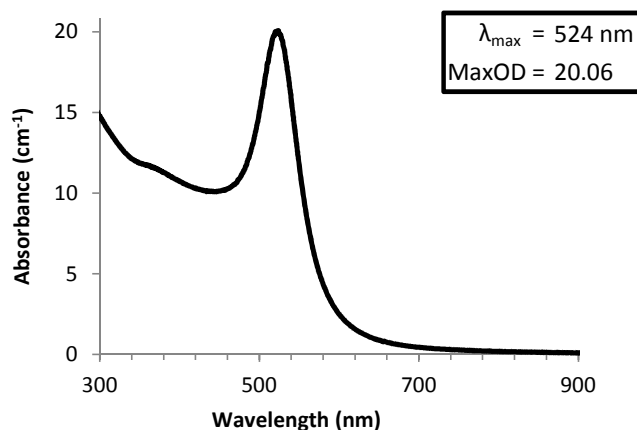
	Specification	Value	Unit		Specification	Value	Unit
Avg. Particle Diameter (TEM) :	36-44 nm	41 ± 4	nm		Surface Area (Calc'd):	Report	7.5 m ² /g
Coefficient of Variation:	< 15%	10.6	%		Zeta Potential:	< -25 mV	-51 mV
Particle Concentration (Calc'd)	Report	1.2E+12	particles/mL		Max OD:	19.7 - 20.3	20.06 n/a
Molar Particle Concentration:	Report	2.0E-09	particle # (mol/L)		pH:*(Measure before use)	Report	5.7 n/a
Mass Concentration (Au):	Report	0.81	mg/mL		Particle Surface:	Report	Carbonate
Hydrodynamic Diameter (DLS):	41-47 nm	47	nm		Solvent:	Report	Milli-Q Water



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

Storage: 2-8 °C. DO NOT FREEZE.