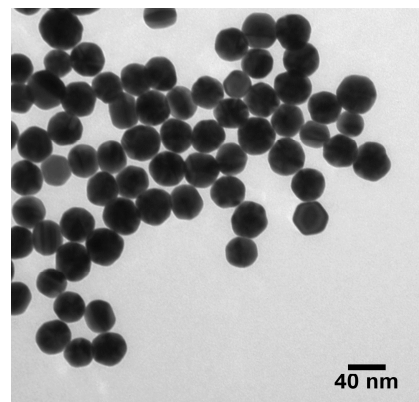
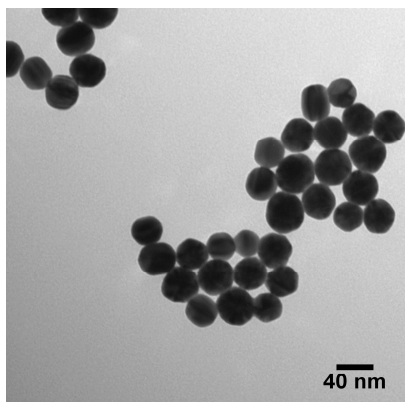
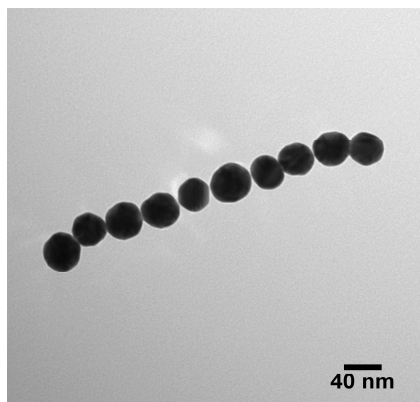


40 nm Gold Nanospheres, Bare (Citrate), 20 OD, BioReady™

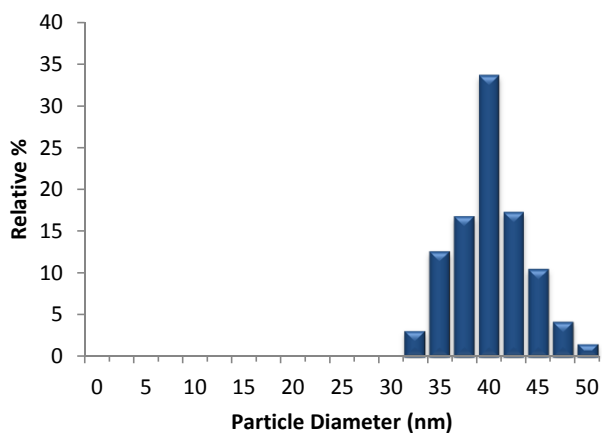
Lot Number: RJG0182

	Specification	Value	Unit
Avg. Particle Diameter (TEM) :	36-44 nm	39 ± 4	nm
Coefficient of Variation:	< 15%	9.4	%
Particle Concentration:	Report	1.4E+12	particles/mL
Molar Particle Concentration:	Report	2.3E-09	mol particles/L
Mass Concentration (Au):	Report	0.81	mg/mL
Hydrodynamic Diameter (DLS):	41-47 nm	45	nm

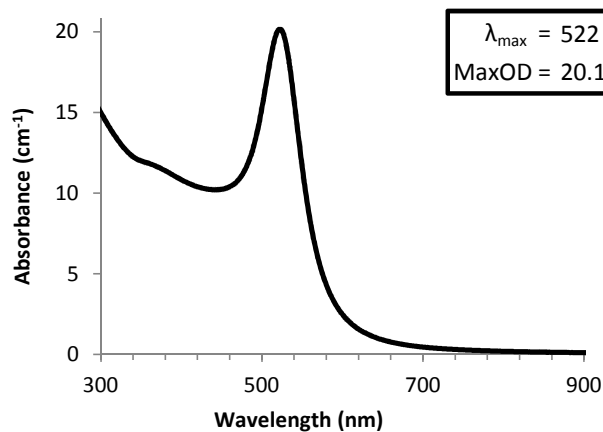
	Specification	Value	Unit
Surface Area (TEM):	Report	7.8	m ² /g
Zeta Potential:	< -25 mV	-48	mV
Max OD:	19.7 - 20.3	20.15	n/a
pH:*(Measure before use)	Report	7.4	n/a
Particle Surface:	Report	Citrate	
Solvent:	Report	Aqueous 0.02 mM Sodium Citrate	



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.