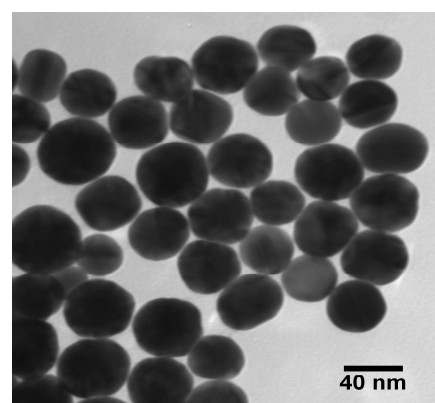
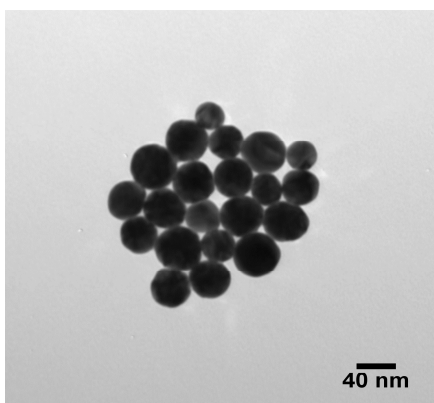
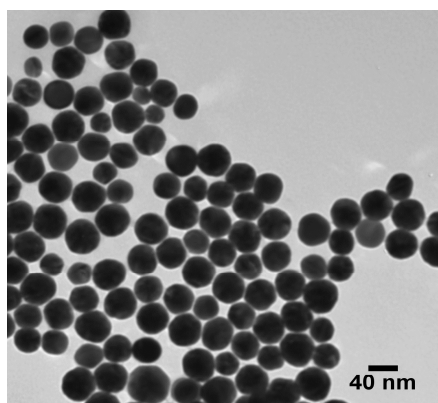


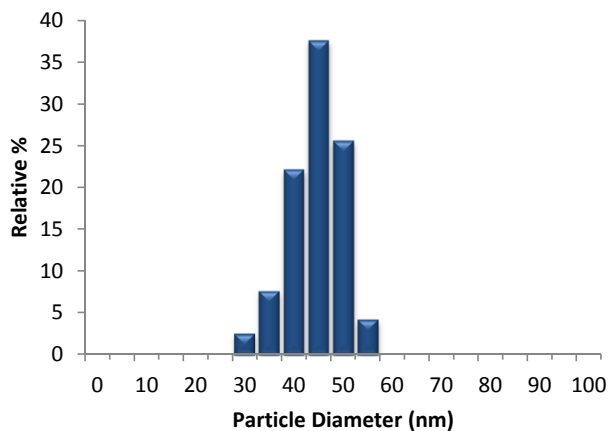
40 nm Gold Nanospheres for Conjugation, Carboxyl, 20 OD, BioReady™

Lot Number: JMW2180

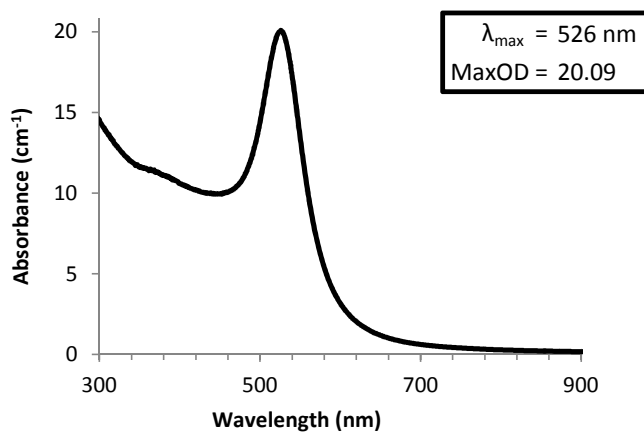
	Specification	Value	Unit		Specification	Value	Unit
Avg. Particle Diameter (TEM) :	36-44 nm	42 ± 5	nm	Surface Area (TEM):	Report	7.2	m ² /g
Coefficient of Variation:	< 15%	12.9	%	Zeta Potential:	< -25 mV	-56	mV
Particle Concentration:	Report	1.1E+12	particles/mL	Max OD:	19.7 - 20.3	20.1	n/a
Molar Particle Concentration:	Report	1.8E-09	mol particles/L	pH:*(Measure before use)	Report	6.0	n/a
Mass Concentration (Au):	Report	0.83	mg/mL	Particle Surface:	Report	Carboxyl (-COOH)	
Hydrodynamic Diameter (DLS):	50-70 nm	56	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

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