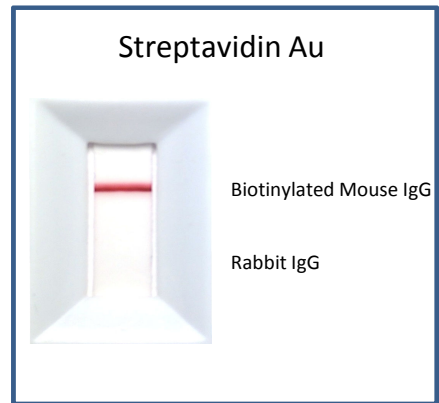
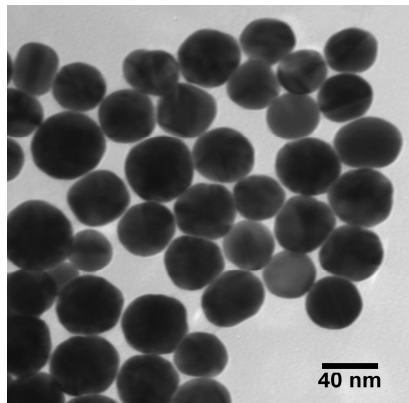
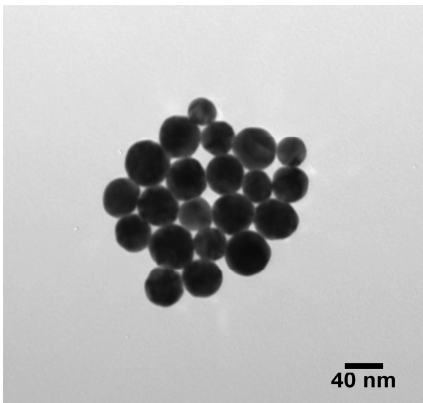


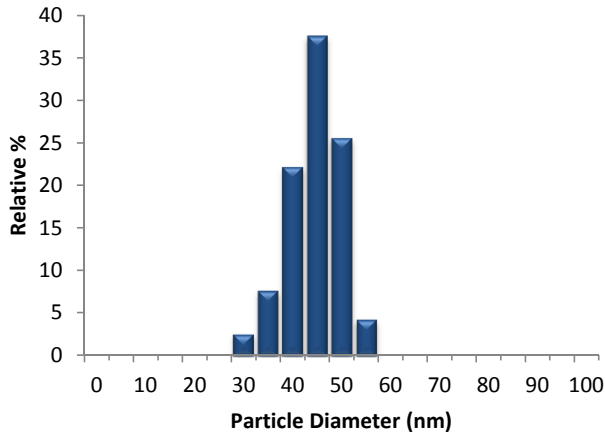
40 nm Gold Nanospheres, Streptavidin, 10 OD, BioReady™

Lot Number: IXW1273

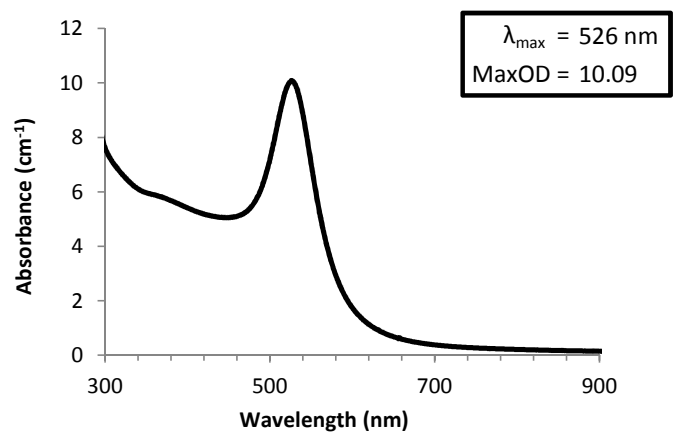
	Specification	Value	Unit		Specification	Value	Unit
Avg. Particle Diameter (TEM) :	36-44 nm	42 ± 5	nm		Surface Area (TEM):	Report	7.2 m ² /g
Coefficient of Variation:	< 15%	12.9	%		Max OD:	9.8 - 10.2	10.09 n/a
Particle Concentration:	Report	5.2E+11	particles/mL		Zeta Potential:	< -25 mV	-28 mV
Molar Particle Concentration:	Report	8.6E-10	mol particles/L		pH:	Report	7.2 n/a
Mass Concentration (Au):	Report	0.39	mg/mL		Particle Surface:	Report	Streptavidin
Hydrodynamic Diameter (DLS):	50-70 nm	68	nm		Solvent:	Report	0.1x PBS, 0.5% BSA, 0.05% Azide



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.