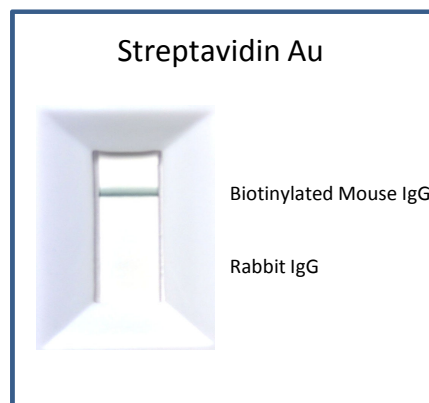
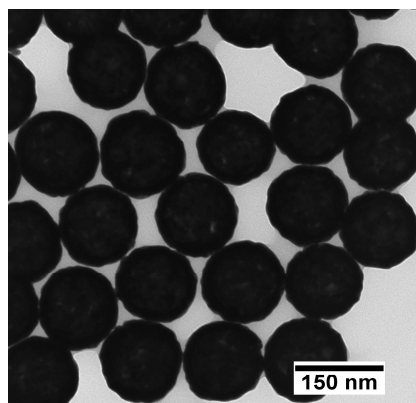
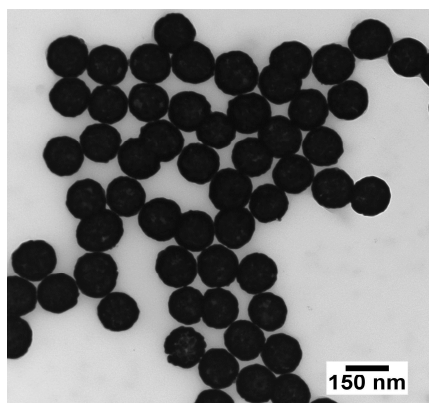


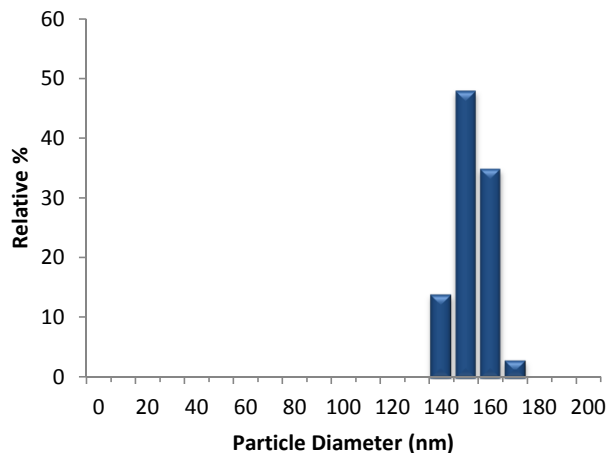
150 nm Gold Nanoshells, Streptavidin, 10 OD, BioReady™

Lot Number: IXW1277B

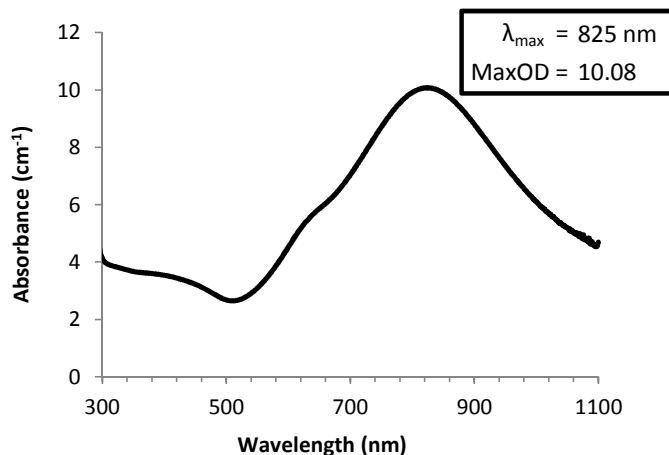
	Specification	Value	Unit		Specification	Value	Unit
Avg. Particle Diameter (TEM) :	145-165 nm	148 ± 6	nm	Surface Area (TEM):	Report	3.9	m ² /g
Coefficient of Variation:	< 15%	4.3	%	Zeta Potential:	< -25 mV	-33	mV
Particle Concentration:	Report	2.2E+10	particles/mL	Max OD:	9.8 - 10.2	10.08	n/a
Molar Particle Concentration:	Report	3.6E-11	mol particles/L	pH:	Report	7.3	n/a
Mass Concentration:	Report	0.34	mg/mL	Particle Surface:	Report	Streptavidin	
Hydrodynamic Diameter (DLS):	155-190 nm	177	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.

Produced under license to United States patent numbers 6,344,272, 6,685,986, and 7,371,457.

These nanoComposix products are to be used for research purposes only and are not to be used for any commercial purposes.