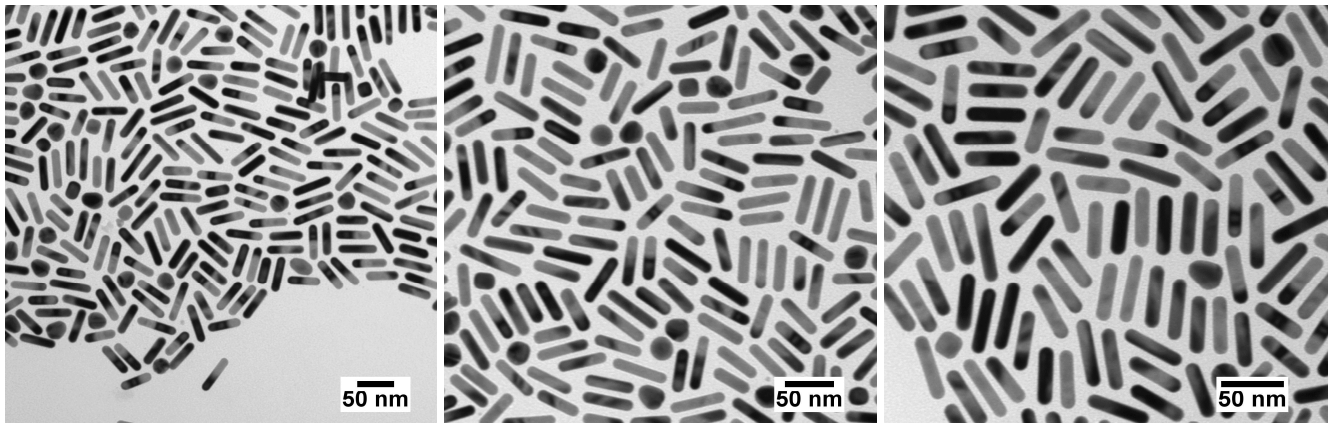


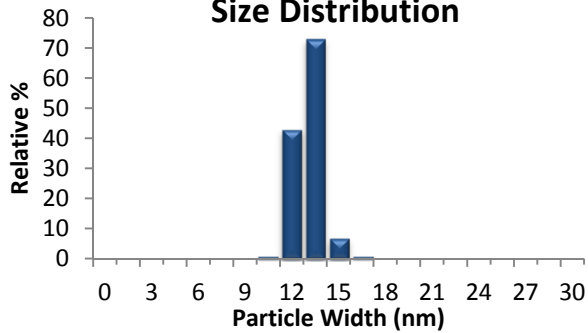
800 nm Resonant Gold Nanorods, PEG, NanoXact™, 50 OD

Lot Number: HKE0066

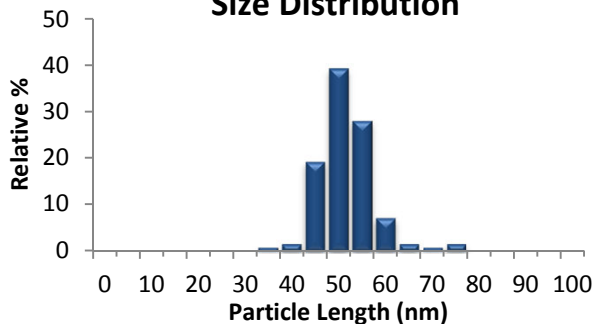
Average Length (TEM):	49.3 ± 6 nm	Mass Concentration (Au):	1.07 mg/mL
CV, Length:	12.1 %	Particle Concentration:	1.26E+13 parts/mL
Average Width (TEM):	12.3 ± 0.8 nm	Hydrodynamic Diameter:	9.0 nm
CV, Width:	6.4 %	Zeta Potential:	-26 mV
Average Aspect Ratio:	4.0	pH of Solution:	5.5
% Absorbance at 800 nm:	98.9 %	Particle Surface:	mPEG 5 kDa
OD at 800 nm:	51.23	Solvent:	Milli-Q Water



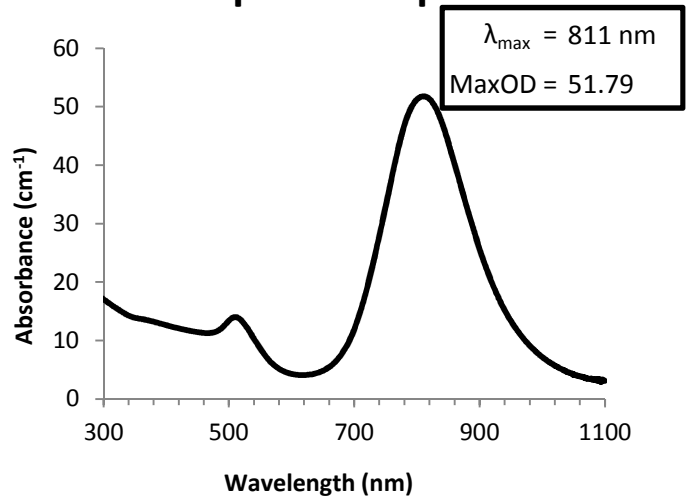
Size Distribution



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.

Storage: 2-8 °C. DO NOT FREEZE.