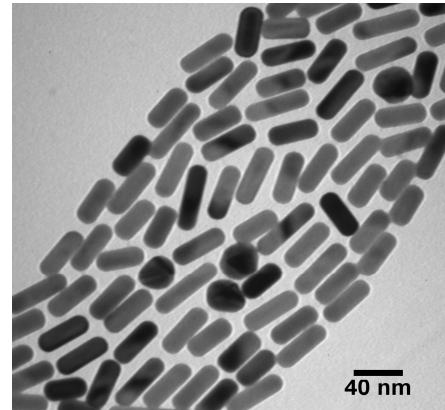
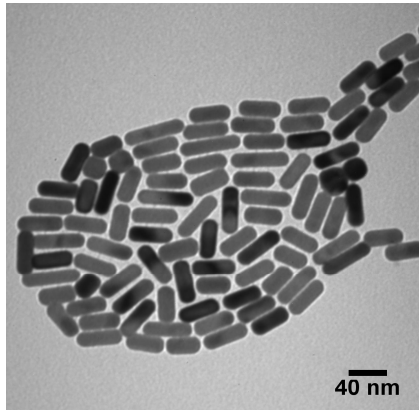
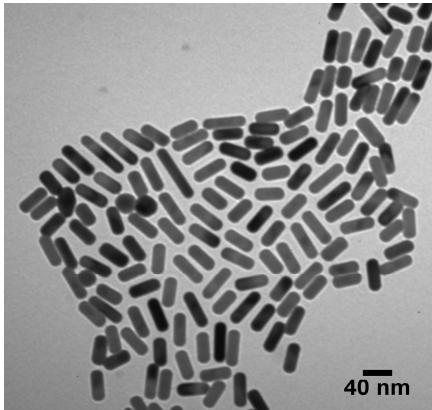


660 nm Resonant Gold Nanorods, PEG -50 OD

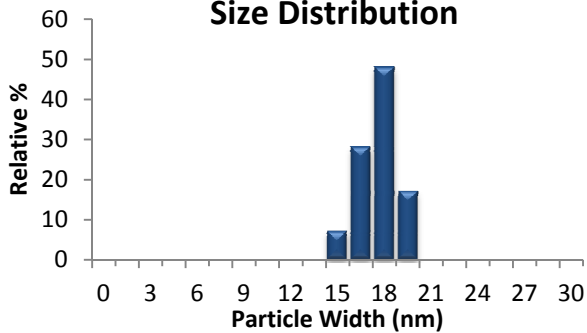
Lot Number: DMW0365

Average Length (TEM): 47.7 ± 8.8 nm
CV, Length: 18.5 %
Average Width (TEM): 16.9 ± 1.1 nm
CV, Width: 6.7 %
Average Aspect Ratio: 2.9
% Absorbance at 660 nm: 97.0 %
OD at 660 nm: 52.1

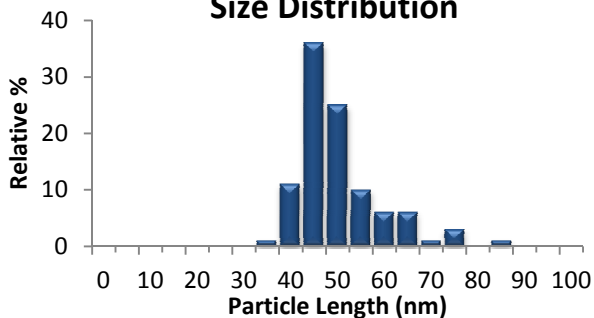
Mass Concentration (Au): 1.58 mg/mL
Particle Concentration: 1.18E+13 parts/mL
Hydrodynamic Diameter: 12.2 nm
Zeta Potential: -36.3 mV
pH of Solution: 5.3
Particle Surface: mPEG 5 kDa
Solvent: Milli-Q Water



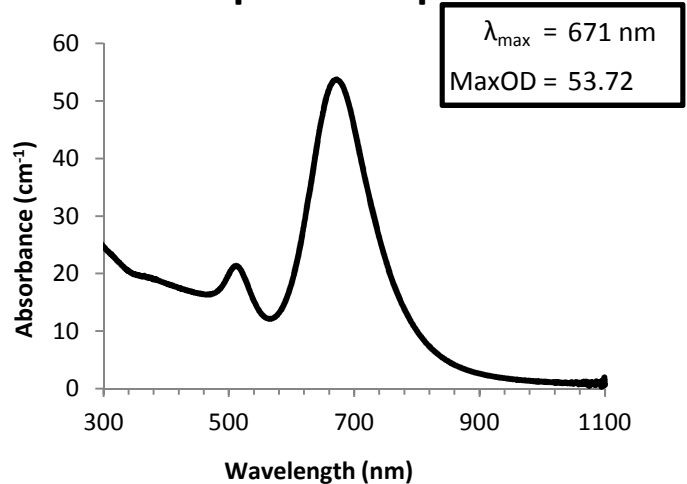
Size Distribution



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:

Mass Concentration:

Spectral Properties:

Hydrodynamic Diameter/Zeta Potential:

JEOL 1010 Transmission Electron Microscope

Thermo Fisher X Series 2 ICP-MS

Agilent 8453 UV-Visible Spectrometer

Malvern Zetasizer Nano ZS.

Storage: 4-8 °C. DO NOT FREEZE.