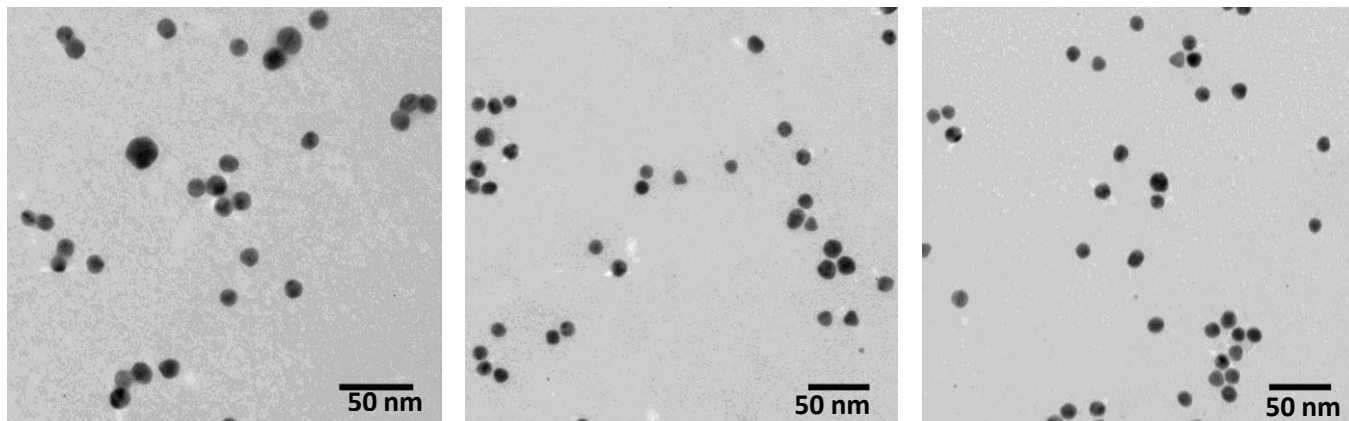


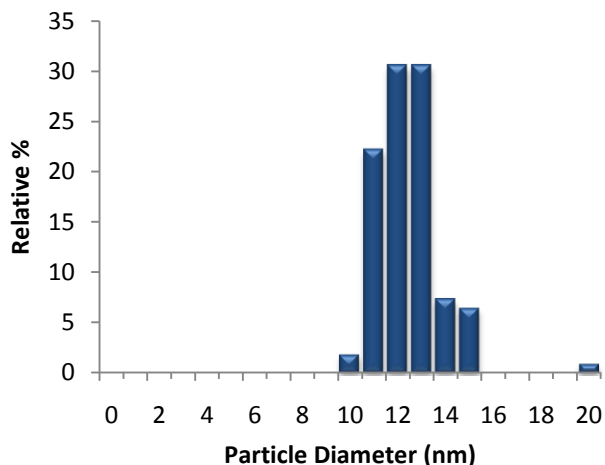
12nm Citrate GNP MALDI Matrix

Lot Number: JSD1044

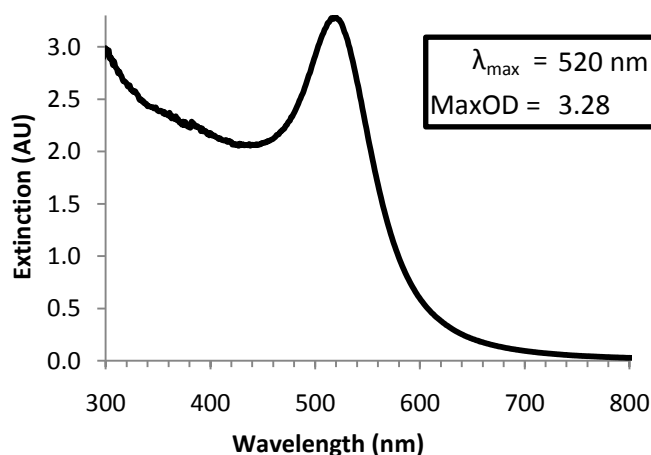
Diameter (TEM):	12.0 nm	Hydrodynamic Diameter:	16.2 nm
First Standard Deviation:	1.3 nm	Zeta Potential:	-17.6 mV
Coefficient of Variation:	11.0 %	pH of Solution:	6.8
Mass Concentration	0.20 mg/mL	Particle Surface	Citrate
Particle Concentration	2.9E+12 particles/mL	Solvent:	Aqueous 2mM Citrate



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 and Handling: 4 °C away from light. DO NOT FREEZE.