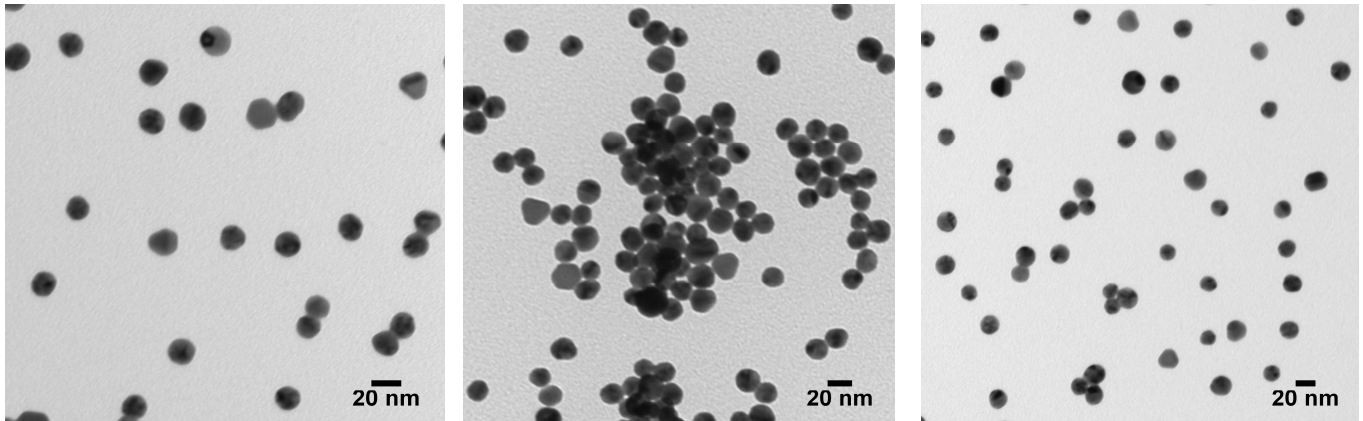


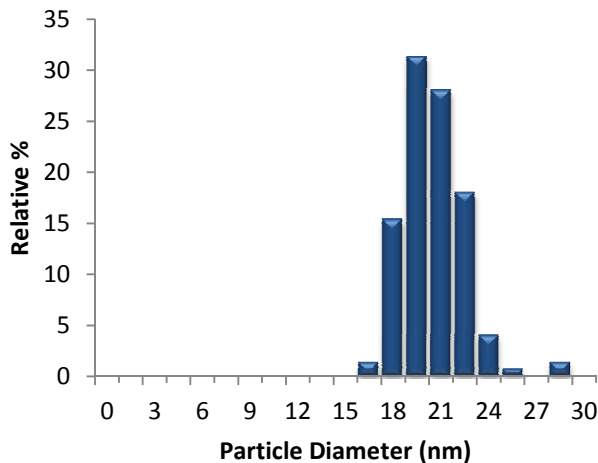
20 nm Lipoic Acid NanoXact™ Gold

Lot Number: ECP1327

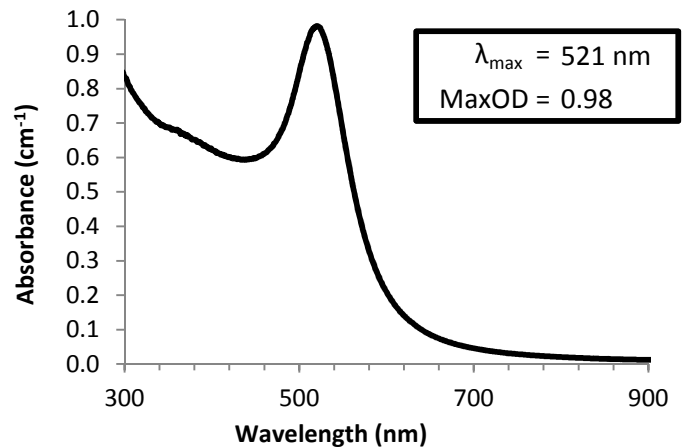
Diameter (TEM):	19.8 ± 2.0 nm	Hydrodynamic Diameter:	23.0 nm
Coefficient of Variation:	10.1 %	Zeta Potential:	1.5 mV
Surface Area (TEM):	15.3 m ² /g	pH of Solution:	7.0
Mass Concentration (Au):	0.054 mg/mL	Gold Purity:	99.99 %
Particle Concentration:	6.8E+11 particles/mL	Particle Surface:	Lipoic Acid
		Solvent:	Milli-Q Water



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: 4-25 °C. DO NOT FREEZE.