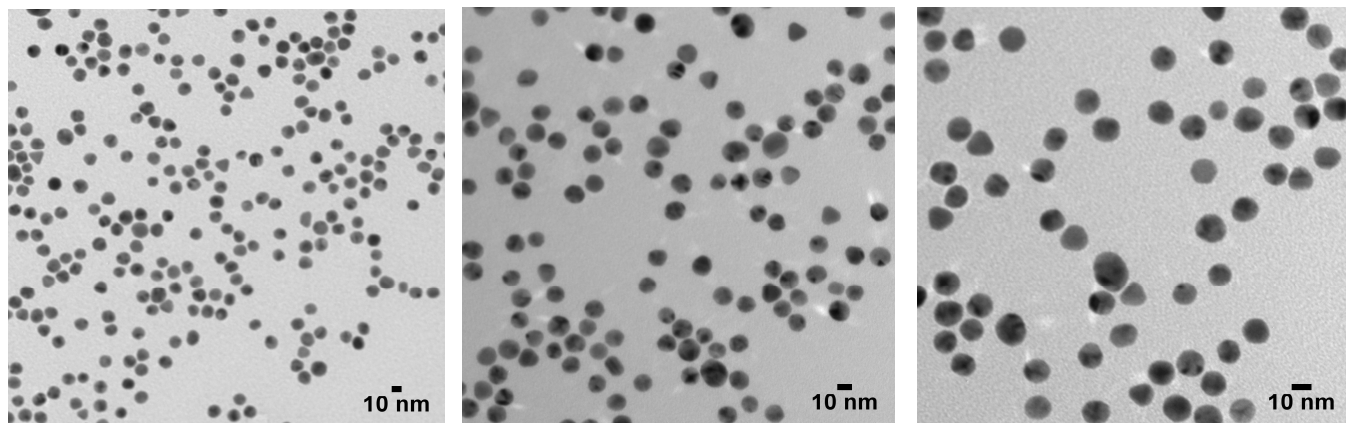


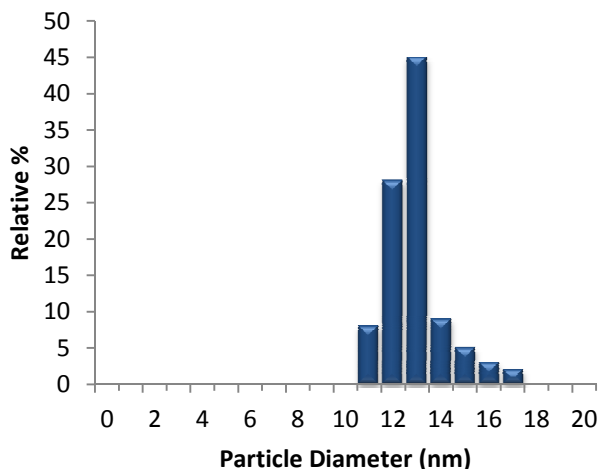
12 nm PVP NanoXact™ Gold

Lot Number: ECP1421

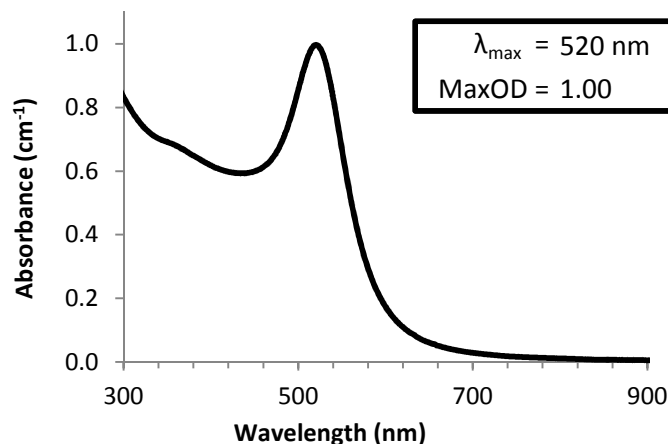
Diameter (TEM):	12.4 ± 1.2 nm	Hydrodynamic Diameter:	20 nm
Coefficient of Variation:	9.7 %	Zeta Potential:	-33 mV
Surface Area (TEM):	24.6 m ² /g	pH of Solution:	5.8
Mass Concentration (Au):	0.051 mg/mL	Gold Purity:	99.99 %
Particle Concentration:	2.7E+12 particles/mL	Particle Surface:	PVP
		Solvent:	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.