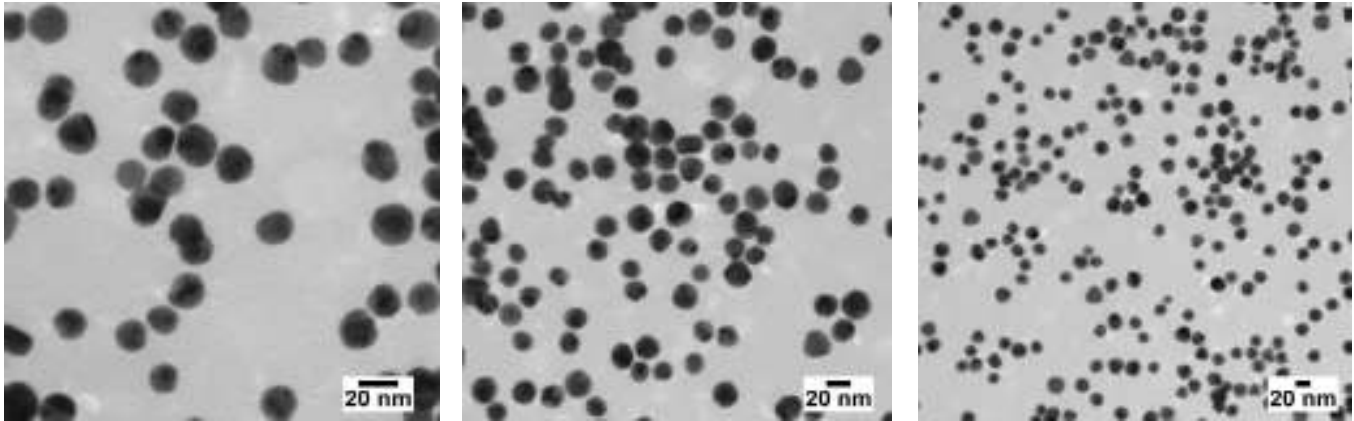


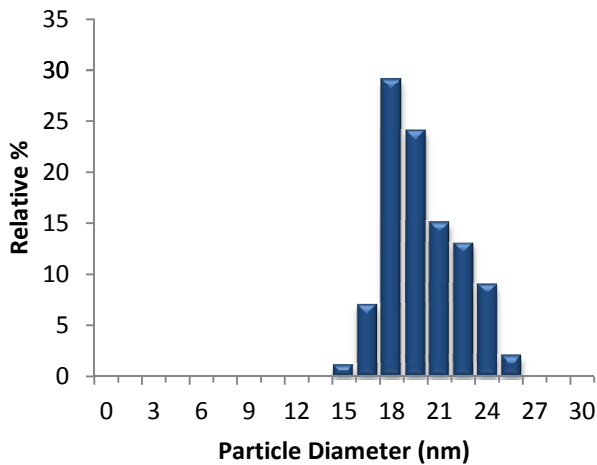
20 nm PVP BioPure™ Gold

Lot Number: JEA0111

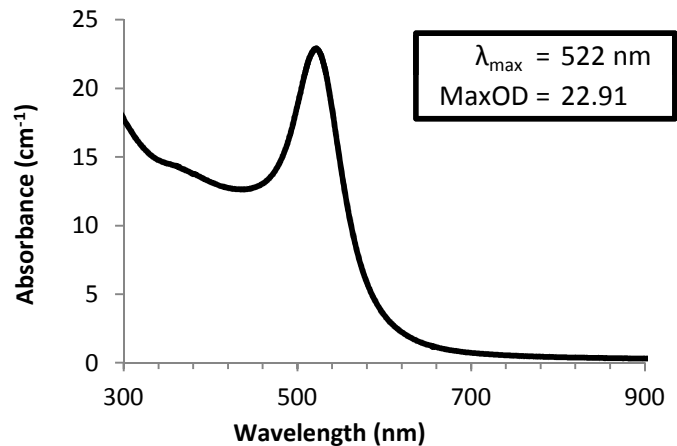
Diameter (TEM):	19.1 ± 2.4 nm	Hydrodynamic Diameter:	44.2 nm
Coefficient of Variation:	12.6 %	Zeta Potential:	-28.4 mV
Surface Area (TEM):	15.8 m ² /g	pH of Solution:	5.8
Mass Concentration (Au):	1.04 mg/mL	Gold Purity:	99.99 %
Particle Concentration:	1.5E+13 particles/mL	Particle Surface:	PVP
Endotoxin Concentration:	< 2.5 EU/mL	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.