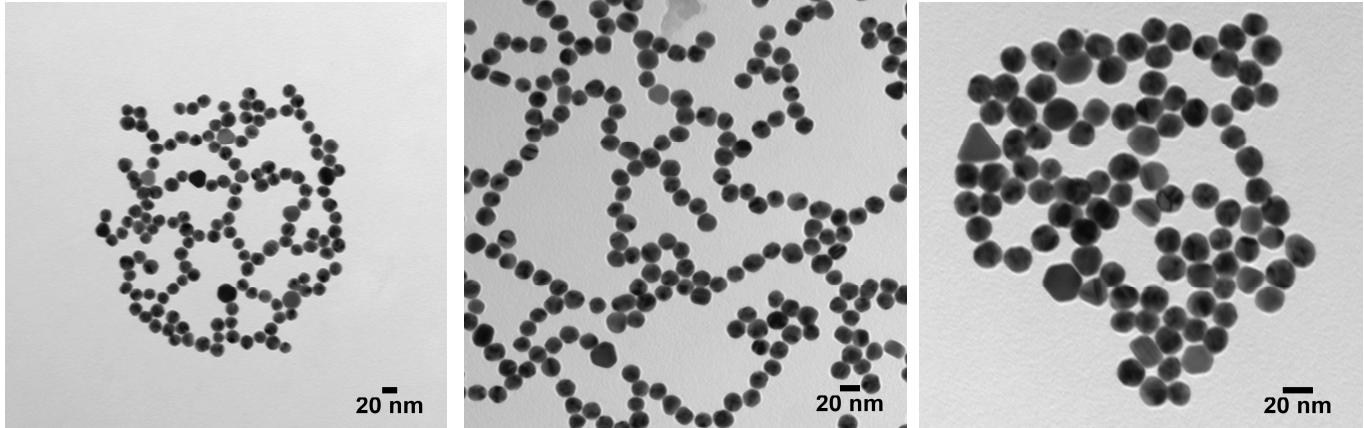


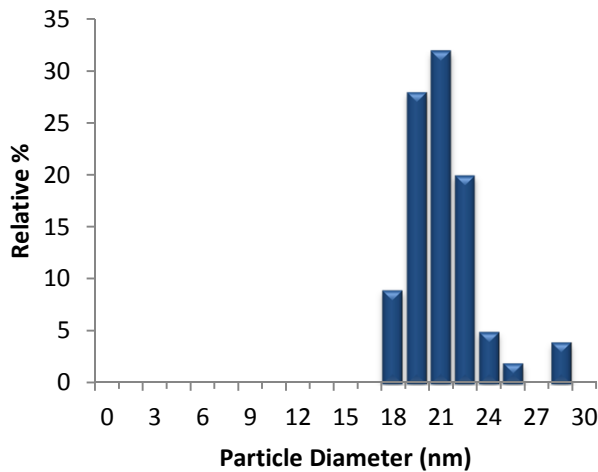
20 nm Gold Nanospheres, Citrate, BioPure™

Lot Number: HKE0026

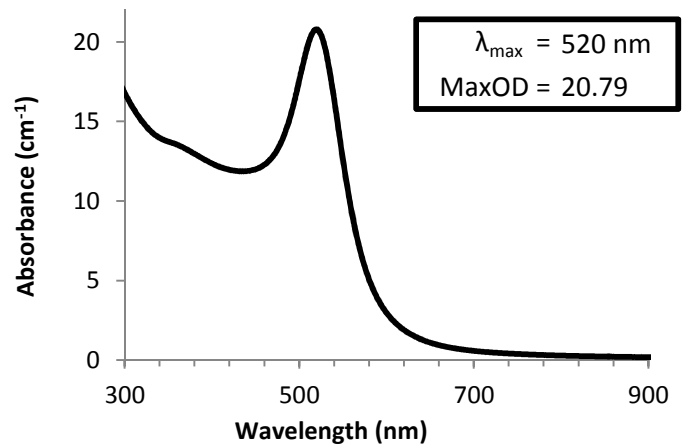
Diameter (TEM):	20.5 ± 2.1 nm	Hydrodynamic Diameter:	24 nm
Coefficient of Variation:	10.5 %	Zeta Potential:	-47 mV
Surface Area (TEM):	14.8 m ² /g	pH of Solution:	5.7
Mass Concentration (Au):	1.07 mg/mL	Gold Purity:	99.99 %
Particle Concentration:	1.2E+13 particles/mL	Particle Surface:	Sodium Citrate
Endotoxin Concentration:	< 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: 2-8 °C. DO NOT FREEZE.