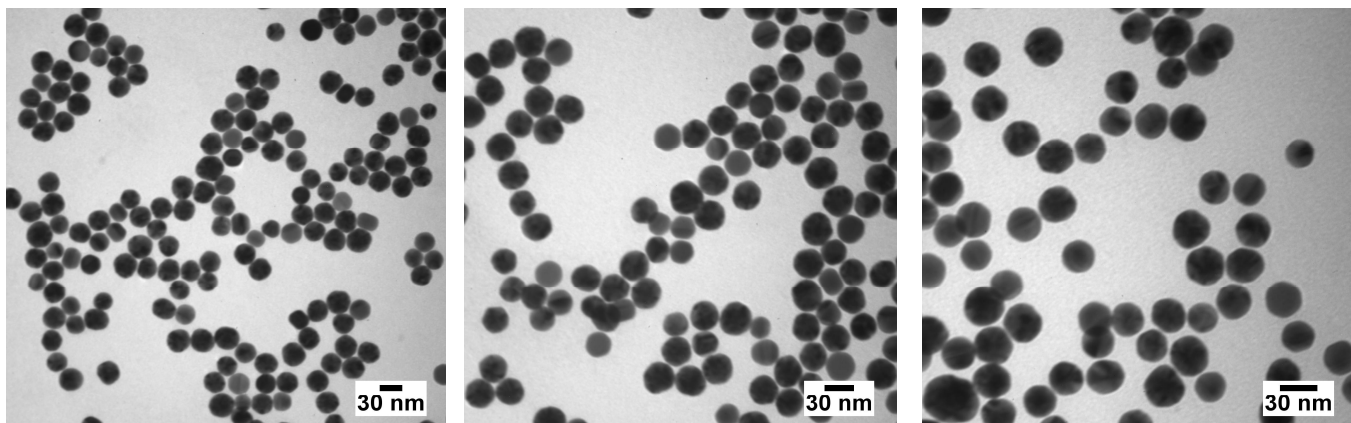


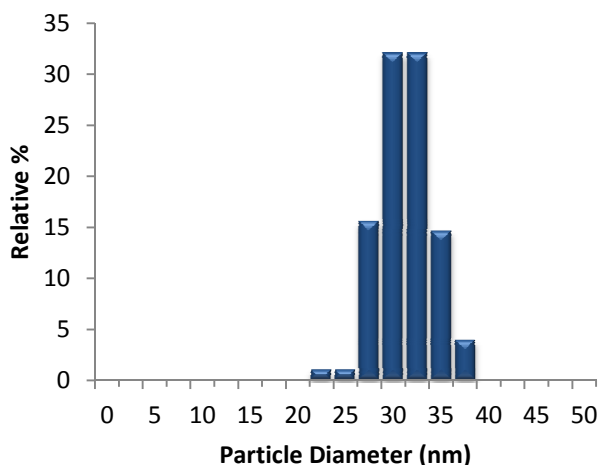
30 nm bPEI BioPure™ Gold

Lot Number: ECP1379

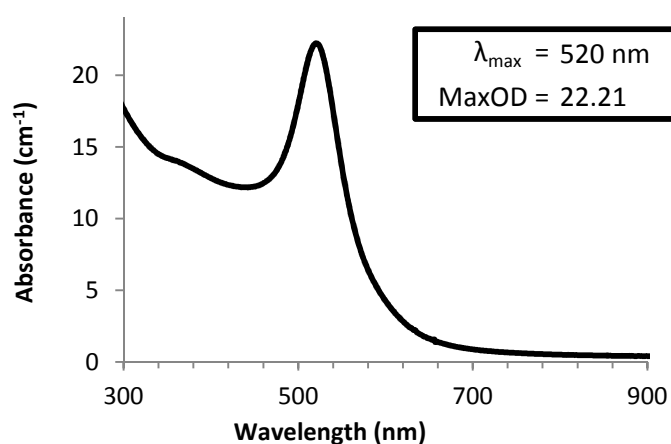
Diameter (TEM):	30 ± 3 nm	Hydrodynamic Diameter:	49 nm
Coefficient of Variation:	9.4 %	Zeta Potential:	65 mV
Surface Area (TEM):	10.1 m ² /g	pH of Solution:	7.2
Mass Concentration (Au):	1.07 mg/mL	Gold Purity:	99.99 %
Particle Concentration:	3.9E+12 particles/mL	Particle Surface:	bPEI
Endotoxin Concentration:	< 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.