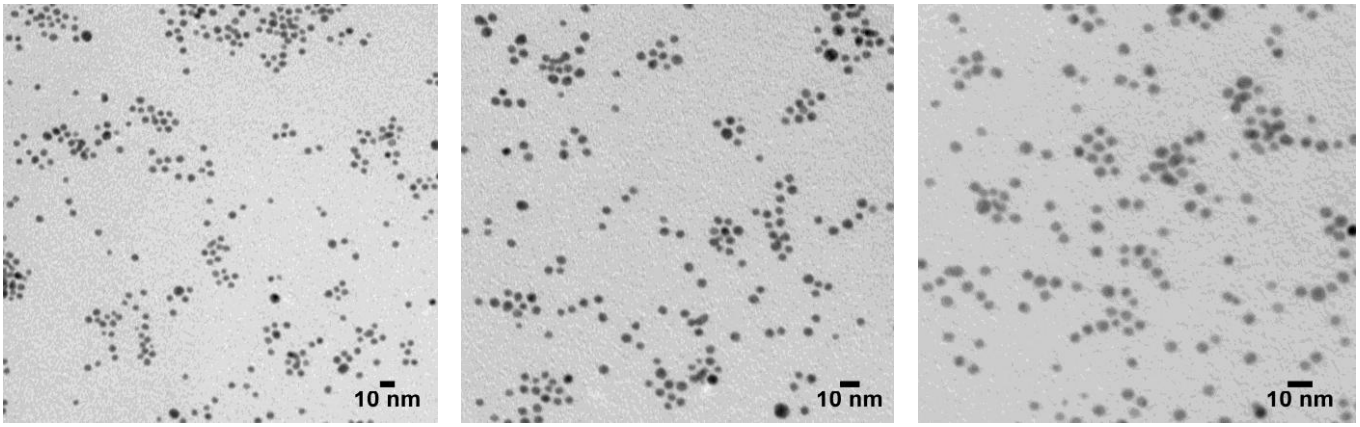
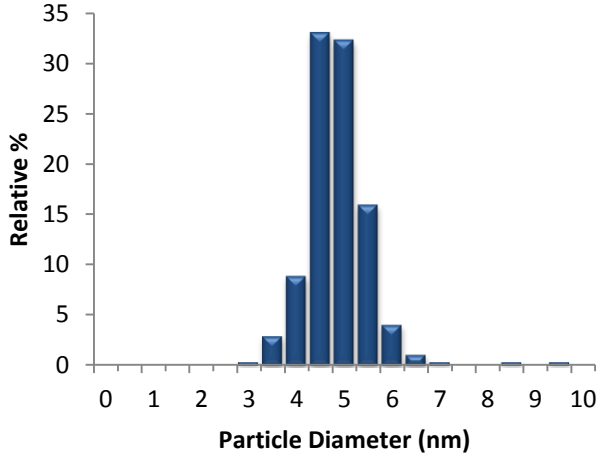
5 nm bPEI NanoXact™ Gold

Lot Number: IXW0085

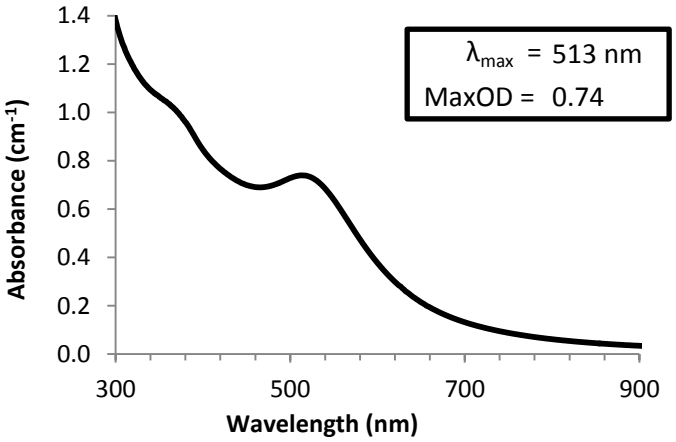
Diameter (TEM):	4.6 ± 0.7 nm	**Hydrodynamic Diameter:**	Not Reported*
Coefficient of Variation:	14.4 %	**Zeta Potential:**	10.6 mV
Surface Area (TEM):	64.08 m^2/g	**pH of Solution:**	9.5
Mass Concentration (Au):	0.048 mg/mL	**Particle Surface:**	bPEI
Particle Concentration:	4.8E+13 particles/mL	**Solvent:**	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 and Handling: 4 °C away from light. DO NOT FREEZE.

*For small diameter nanoparticles, DLS and Zeta Potential are not reported when the concentration is too low to get sufficient scattered light for an accurate measurement

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