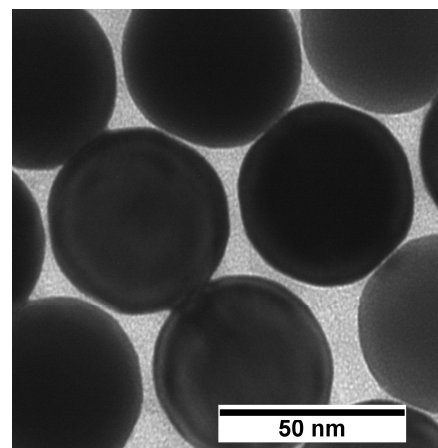
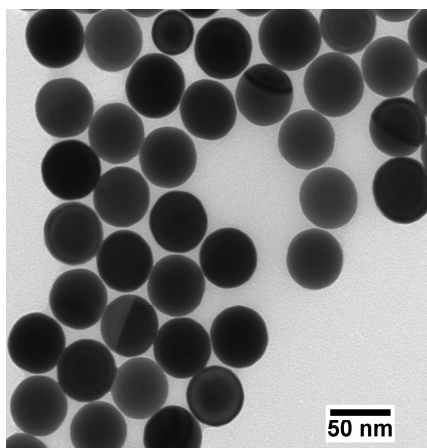
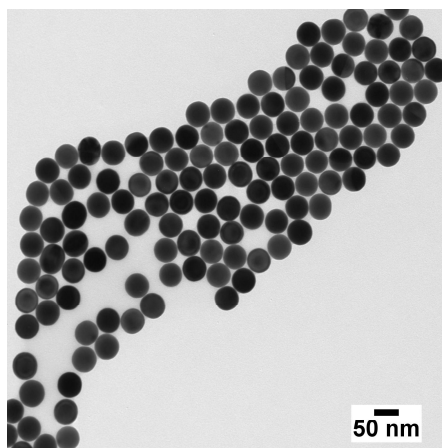


50 nm Gold Nanospheres, PEG Carboxyl, Ultra Uniform™

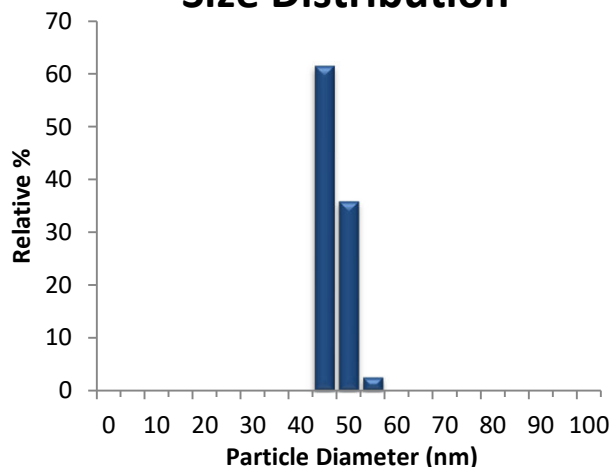
Product Number: AUXU50

Lot Number: SZD0103

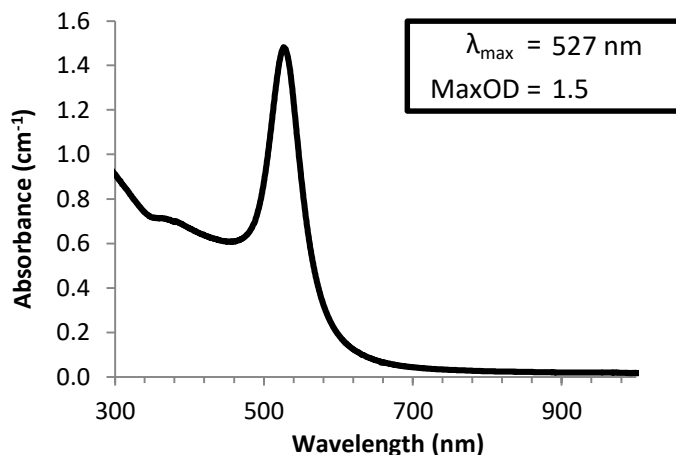
Diameter (TEM):	49.8 ± 1.8 nm	Hydrodynamic Diameter:	59 nm
Coefficient of Variation:	3.6 %	Zeta Potential:	-49 mV
Surface Area (Calc'd):	6.2 m ² /g	pH of Solution:	7.9
Mass Concentration (Au):	0.052 mg/mL	Gold Purity:	99.99 %
Particle Concentration (Calc'd):	4.2E+10 particles/mL	Particle Surface:	PEG ₁₂ Carboxylic Acid
Molar Particle Concentration:	6.9E-11 particle # (mol/L)	Solvent:	Aqueous 2 mM Sodium Citrate



Size Distribution



Optical Properties



Characterization Instrumentation

Diameter and Size Statistics:	JEOL 1010 Transmission Electron Microscope; ImageJ
Mass Concentration:	Agilent 7800 ICP-MS
Spectral Properties:	Agilent 8453 UV-Visible Spectrometer
Hydrodynamic Diameter/Zeta Potential:	Malvern Zetasizer Nano ZS-(>10 nm Products Only)
Endotoxin:	Pyros Kinetix -Turbidimetric Assay-(BioPure Only)
pH:	Horiba - Laqua Twin pH Meter

Recommended for shipping and storage: 2-8 °C. Bath sonicate if needed. DO NOT FREEZE.