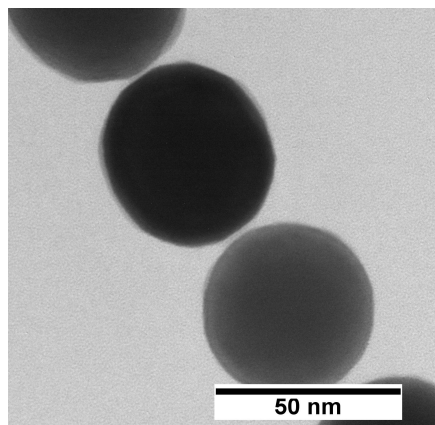
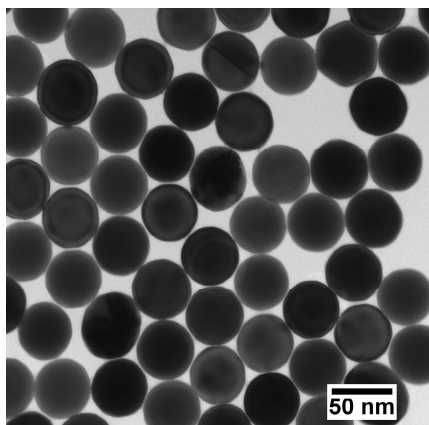
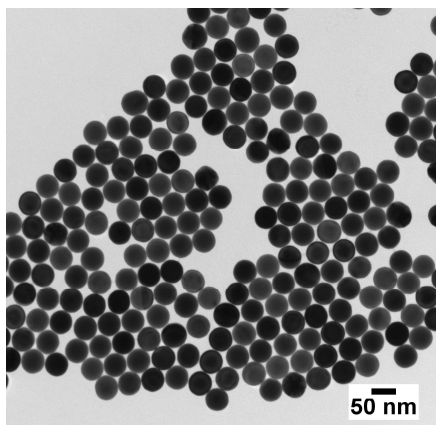


50 nm Gold Nanospheres, PEG Carboxyl, Ultra Uniform™ Nanoparticle Number Standard

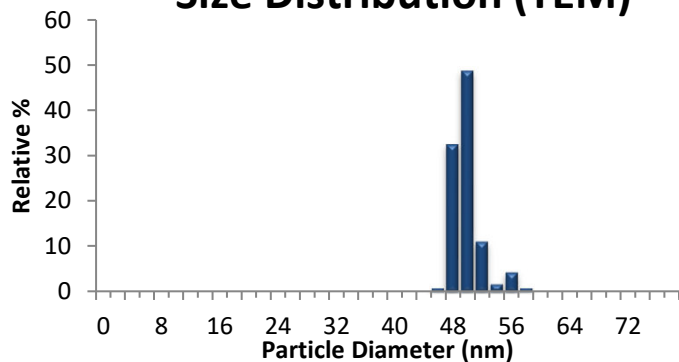
Product Number: AUXS50

Lot Number: JLC0238

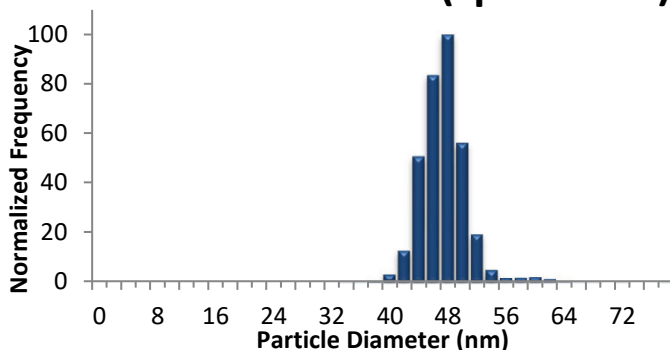
Diameter (TEM):	51.0 nm	Mass Concentration (Au):	134.2 ng/mL
Coefficient of Variation (TEM):	3.7 %	pH of Solution:	7.5
Coefficient of Variation (sp-ICP-MS)*:	6.8 %	Particle Surface:	PEG ₁₂ Carboxylic Acid
Particle Concentration (sp-ICP-MS)*:	1.1E+08 particles/mL	Solvent:	Aqueous 1 mM Sodium Citrate
Primary Particle Mode (sp-ICP-MS)*:	> 90 %		



Size Distribution (TEM)



Size Distribution (sp-ICP-MS)



Characterization Instrumentation

Diameter and Size Statistics:	JEOL 1010 Transmission Electron Microscope;ImageJ
Mass and Particle Concentration:	Agilent 7800 ICP-MS
pH:	Horiba - Laqua Twin pH Meter

*Doublet particles may be present in the particle size distribution (PSD) and any secondary peak will be < 10% of the total particle counts.

Shipping and storage: 2-25°C, 2-8 °C after opening. Shake vigorously before use.

DO NOT FREEZE. Expires 6 months after opening.