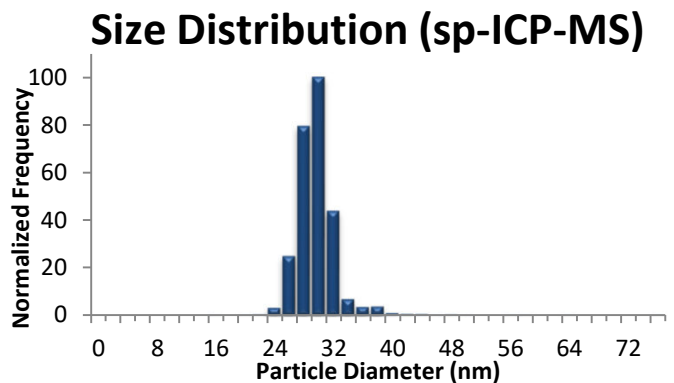
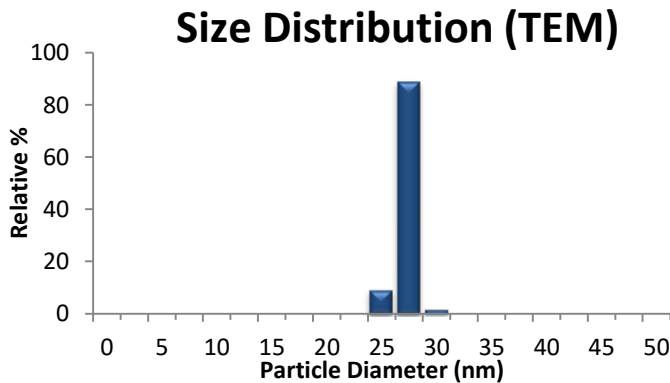
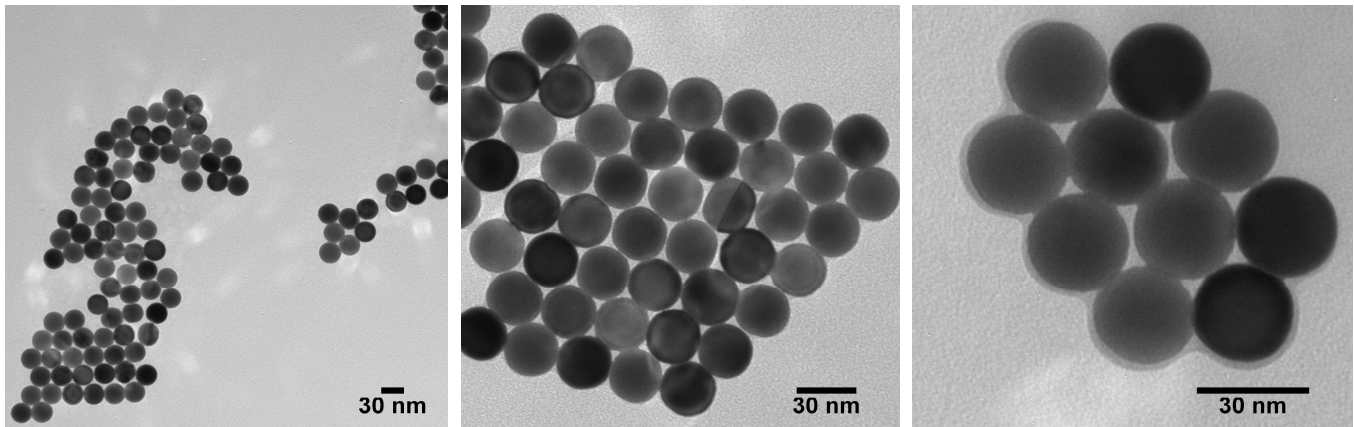


**30 nm Gold Nanospheres, PEG Carboxyl, Ultra Uniform™ Nanoparticle Number Standard**

**Product Number: AUXS30**

**Lot Number: JLC0237**

<b>Diameter (TEM):</b>	28.2 nm	<b>Mass Concentration (Au):</b>	22.7 ng/mL
<b>Coefficient of Variation (TEM):</b>	2.2 %	<b>pH of Solution:</b>	7.7
<b>Coefficient of Variation (sp-ICP-MS)*:</b>	8.6 %	<b>Particle Surface:</b>	PEG <sub>12</sub> Carboxylic Acid
<b>Particle Concentration (sp-ICP-MS)*:</b>	0.84E+8 particles/mL	<b>Solvent:</b>	Aqueous 1 mM Sodium Citrate
<b>Primary Particle Mode (sp-ICP-MS)*:</b>	> 90 %		



**Characterization Instrumentation**

<b>Diameter and Size Statistics:</b>	JEOL 1010 Transmission Electron Microscope;ImageJ
<b>Mass and Particle Concentration:</b>	Agilent 7800 ICP-MS
<b>pH:</b>	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.