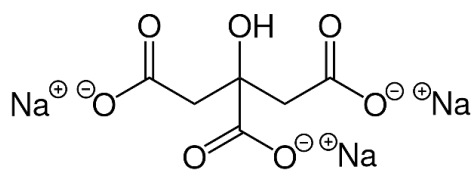


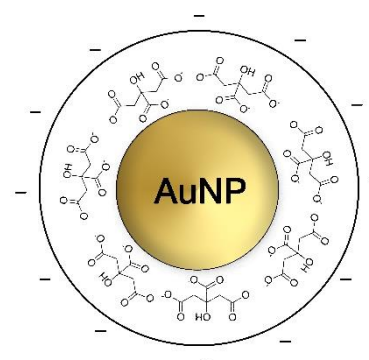


## 30 nm Gold nanospheres, citrate-coated

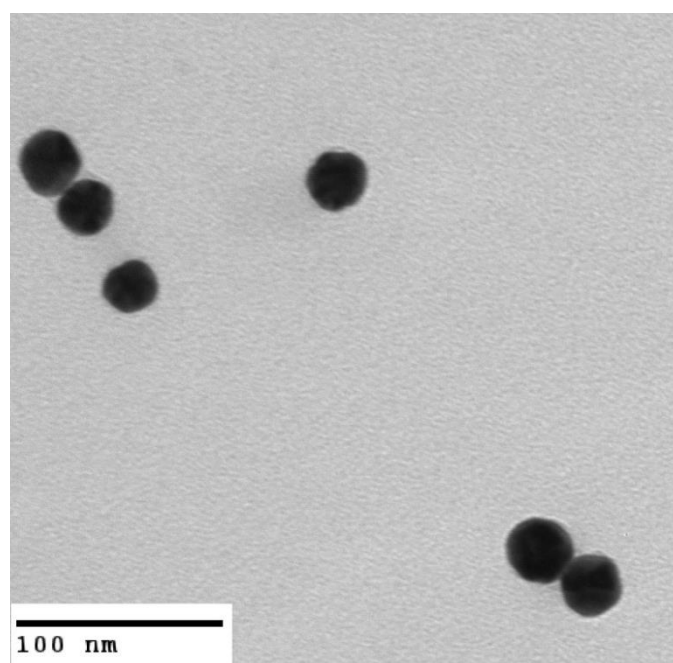
### Sodium Citrate CAS 68-04-2



### Gold nanoparticles coated with citrate



<b>Diameter (TEM):</b>	29.05 ± 3.11nm
<b>Coefficient of polydispersity:</b>	10.7%
<b>Mass of single particle:</b>	2.73E-13 mg
<b>Surface of single particle:</b>	2.83E-11 cm**3
<b>Particle concentration:</b>	1.64E+11 particles/mL
<b>Molar particles concentration:</b>	0.273 nM
<b>Mass of gold:</b>	44.76 µg/ml
<b>Surface area (TEM):</b>	10.70 m <sup>2</sup> /g
<b>Particles surface charge:</b>	negative
<b>Gold purity:</b>	99.99 %
<b>pH of the solution:</b>	7.0
<b>Particle surface:</b>	Sodium Citrate
<b>Solvent:</b>	Milli-Q water (18.1 MΩ-cm)



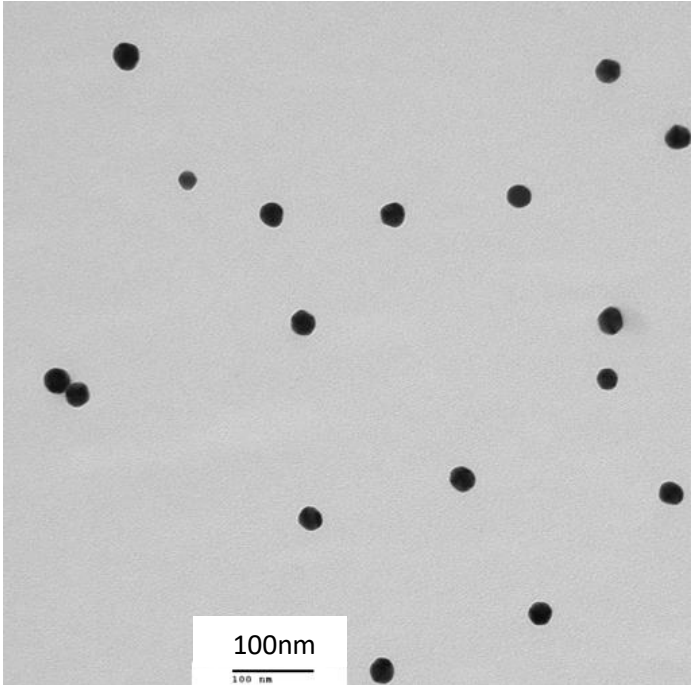
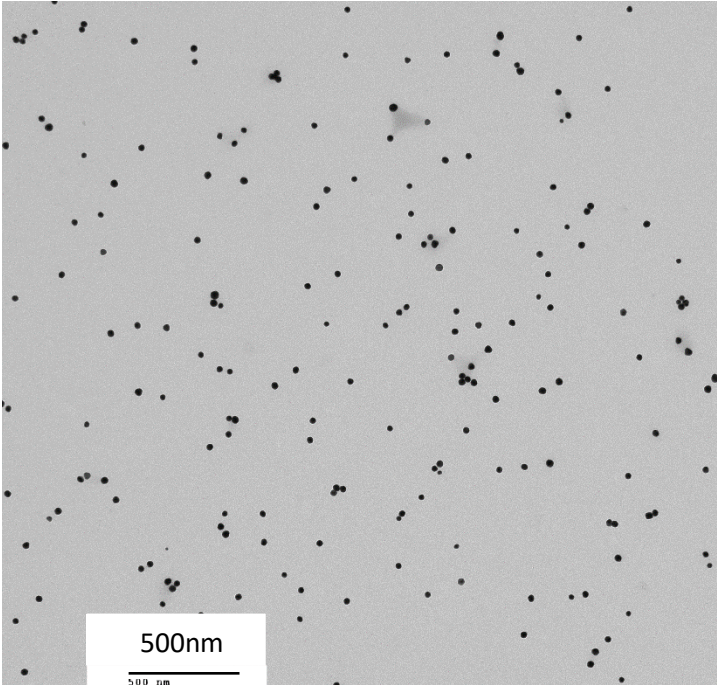
#### Instrumentation used for characterization

<b>Diameter and size distribution:</b>	Transmission Electron Microscope HITACHI H-7100
<b>Mass concentration:</b>	PerkinElmer NexION 2000P+ ICP-MS
<b>Spectral properties:</b>	Thermo Scientific Evolution 220 UV-Visible Spectrophotometer
<b>Hydrodynamic Diameter and Zeta Potential:</b>	Wyatt Mobius Zetasizer

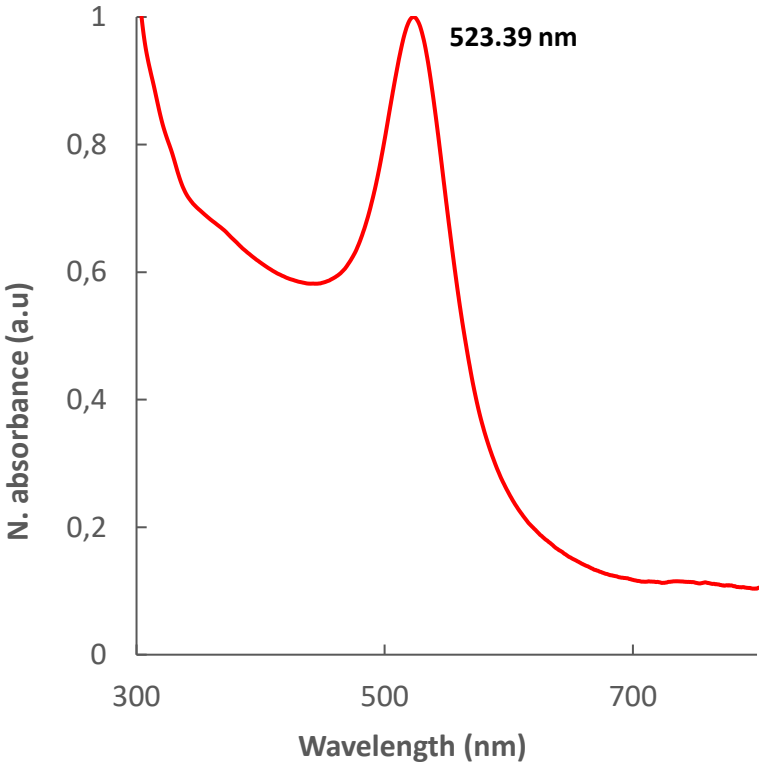
Store at 4-25°C away from light. DO NOT FREEZE



# 30 nm Gold nanospheres, citrate-coated



### Optical Properties



### Size Distribution

