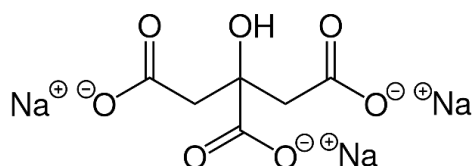




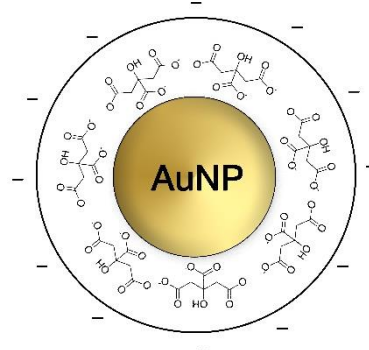
NANOBRAND

20 nm Gold nanospheres, citrate-coated

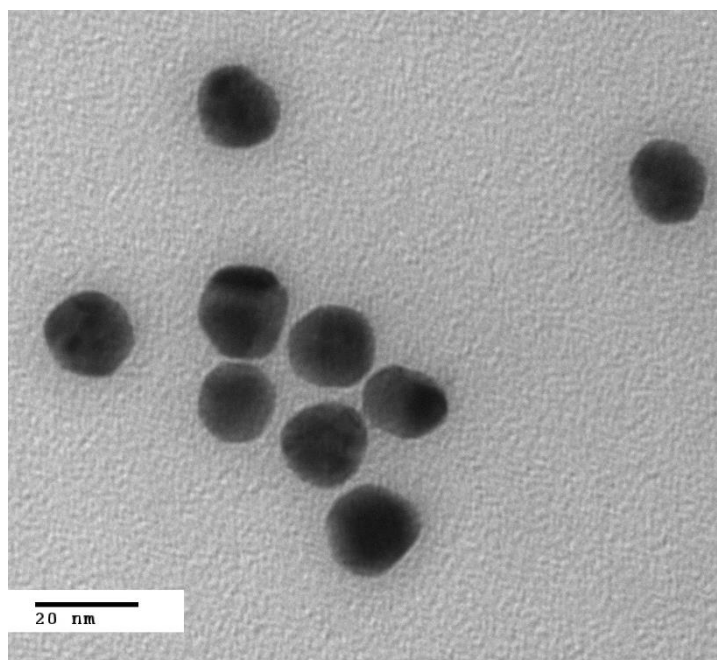
Sodium Citrate
CAS 68-04-2



Gold nanoparticles coated with citrate



Diameter (TEM):	18.81 ± 1.57nm
Coefficient of polydispersity:	8.3%
Mass of single particle:	6.71E-14 mg
Surface of single particle:	1.11E-11 cm**3
Particle concentration:	7.45E+11 particles/mL
Molar particles concentration:	1.24 nM
Mass of gold:	50 µg/ml
Surface area (TEM):	16.54 m ² /g
Particles surface charge:	negative
Gold purity:	99.99 %
pH of the solution:	7.0
Particle surface:	Sodium Citrate
Solvent:	Milli-Q water (18.1 MΩ-cm)



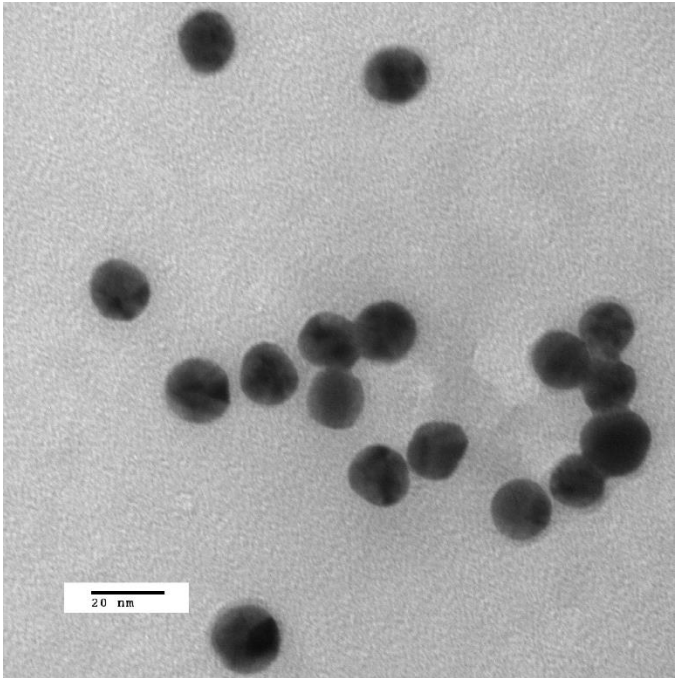
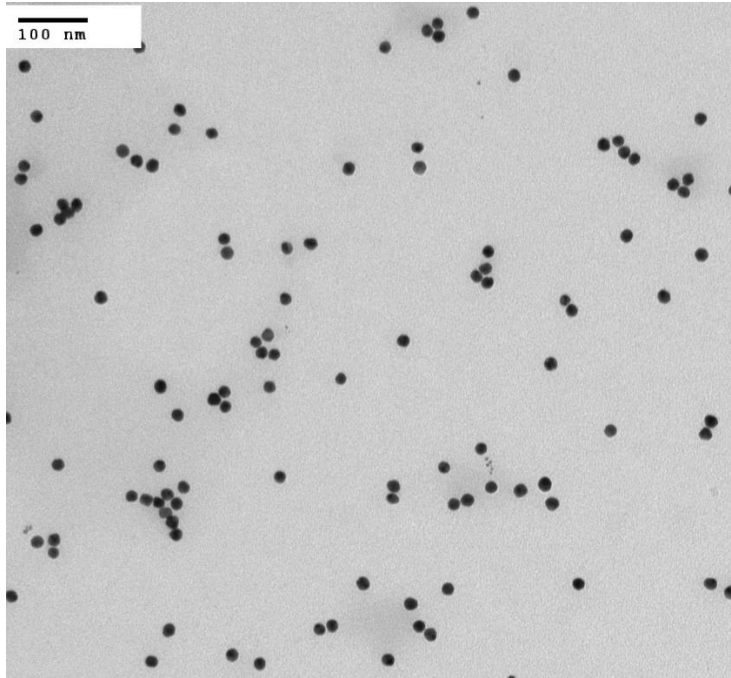
Instrumentation used for characterization

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

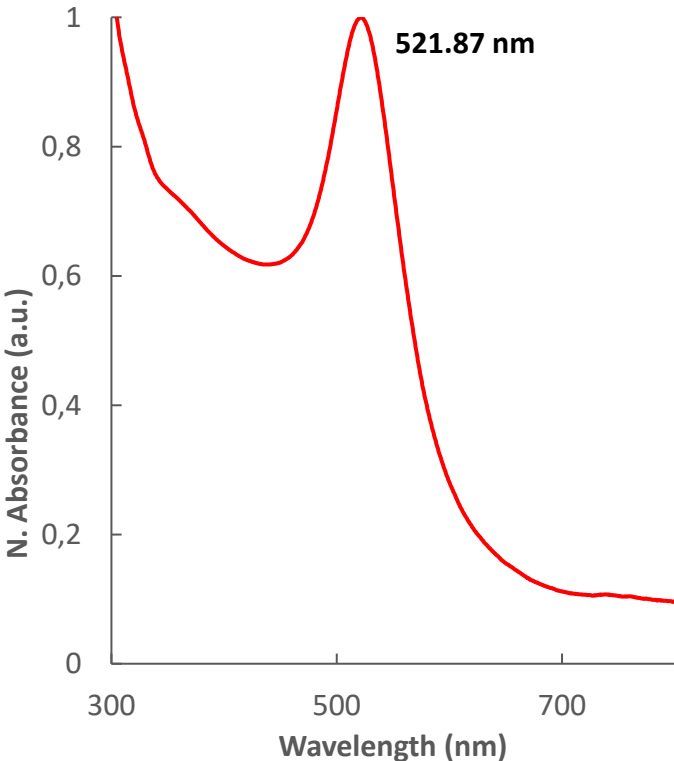
Store at 4-25°C away from light. DO NOT FREEZE



20 nm Gold nanospheres, citrate-coated



Optical Properties



Size Distribution

