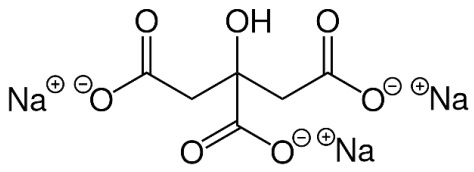
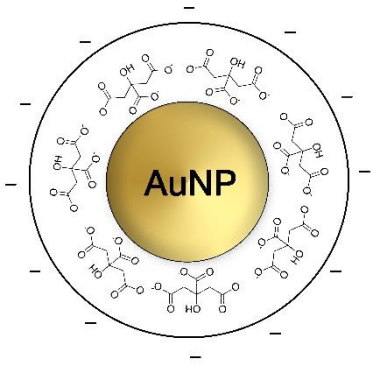
NANOBRAND

15 nm Gold nanospheres, citrate-coated

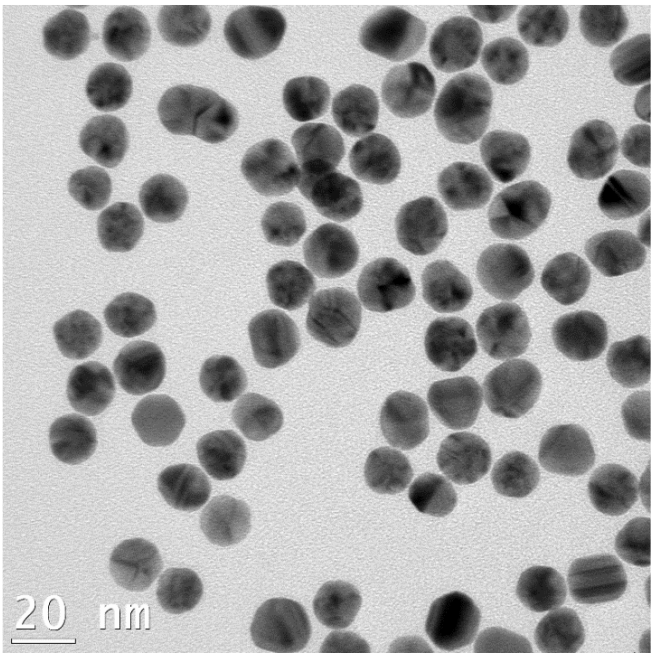
Sodium Citrate
CAS 68-04-2



Gold nanoparticles coated with citrate



Diameter (TEM):	15.59 ± 1.16nm
Coefficient of polydispersity:	7.5%
Mass of single particle:	3.83E-14 mg
Surface of single particle:	7.64E-12 cm**3
Particle concentration:	1.29E+12 particles/mL
Molar particles concentration:	2.14 nM
Mass of gold:	49.25 µg/ml
Surface area (TEM):	19.94 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 JEOL JEM 2100F
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

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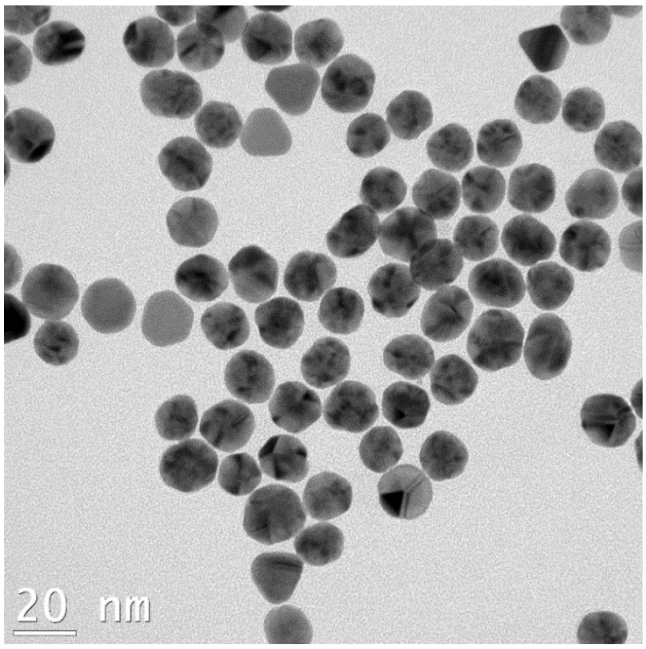
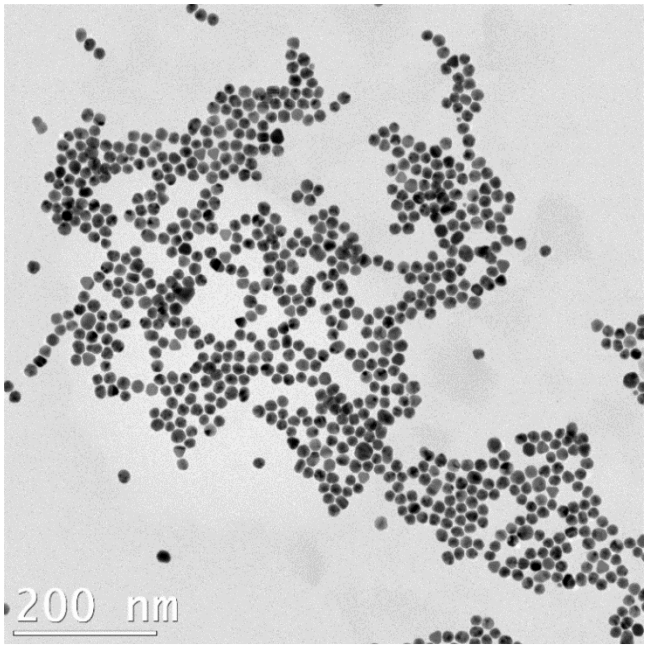
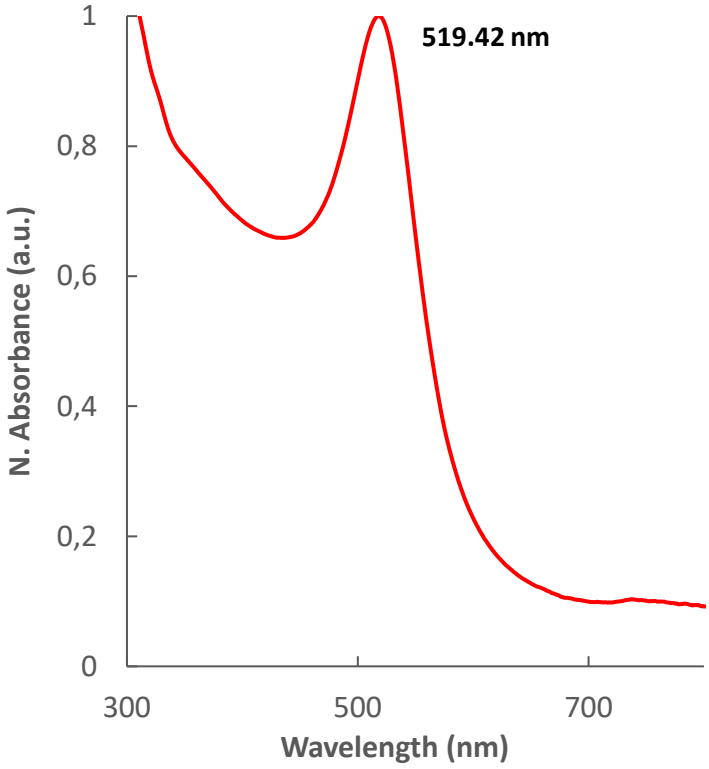
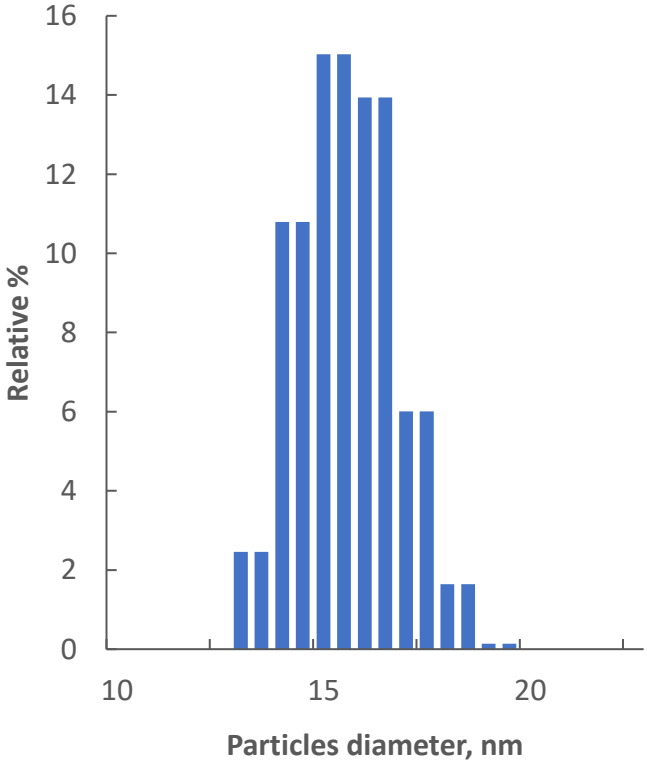




Optical Properties



Size Distribution



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