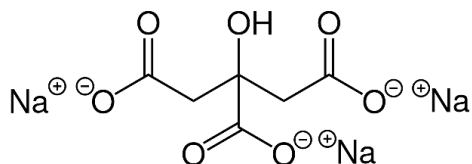




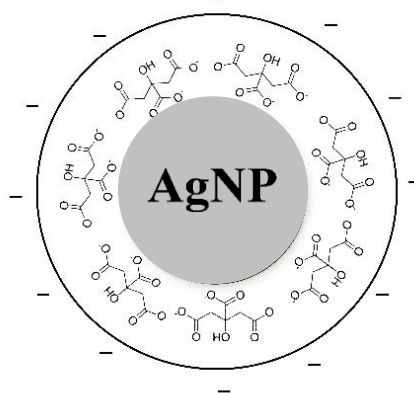
NANOBRAND

Silver nanospheres 35nm, citrate-coated

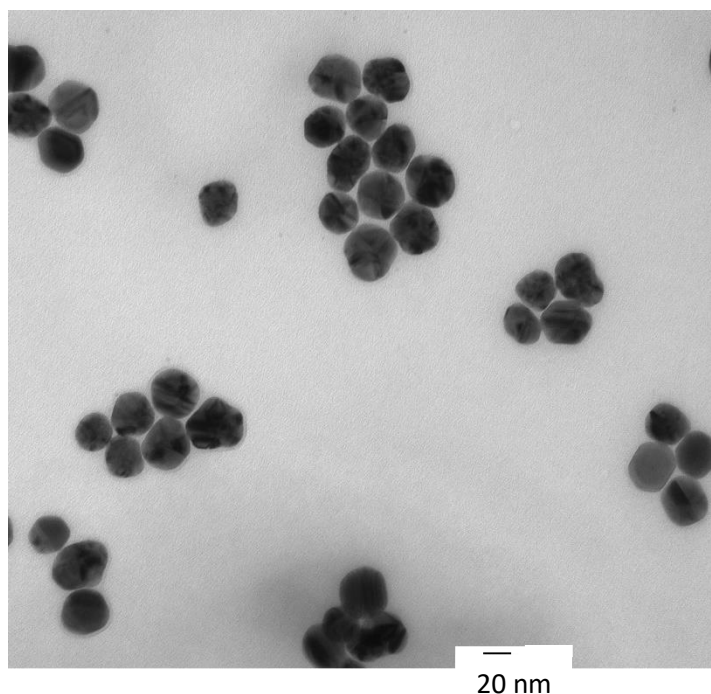
Sodium Citrate
CAS 68-04-2



**Silver nanoparticles stabilised
with citrate**



Diameter (TEM):	34.54 ± 1.38 nm
Coefficient of polydispersity:	3.99 %
Mass of single particle:	8.59 E-14 mg
Surface of single particle:	3748 nm ²
Volume of single particle:	21576 nm ³
Particle concentration:	2.21E+11 particles/ml
Molar particles concentration:	0.368 nM
Mass of silver:	50.0 µg/ml
Surface area per gram:	16.56 m ² /g
Surface to volume ratio:	0.174nm ⁻¹
Particles surface charge:	negative
pH of the solution:	5.5 – 6.0
Particle surface:	citrate
Solvent:	Milli-Q water (18.1 MΩ-cm)



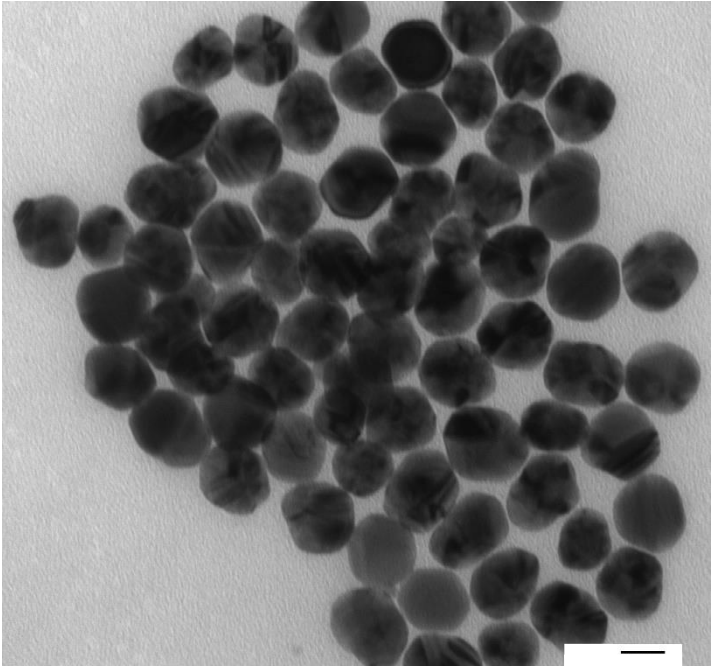
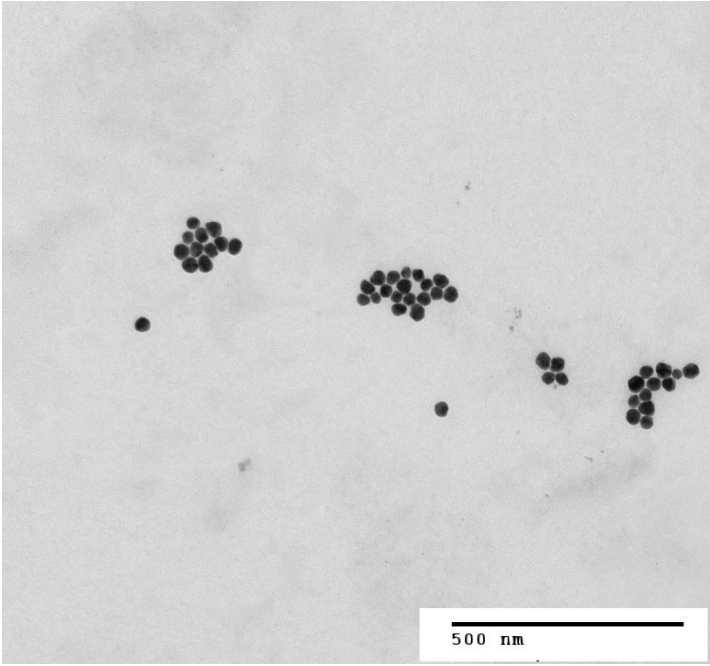
Instrumentation used for characterization

Diameter and size distribution:	Transmission Electron Microscope HITACHI H-7100 and TS Talos F200X
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. Shake before use.



Silver nanospheres 35nm, citrate-coated



Optical Properties

Size Distribution

