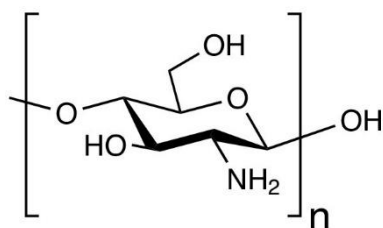


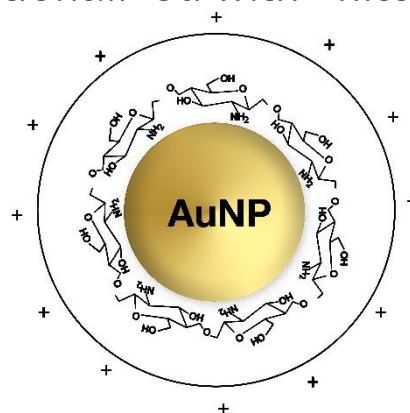


Chitosan conjugated Gold nanospheres

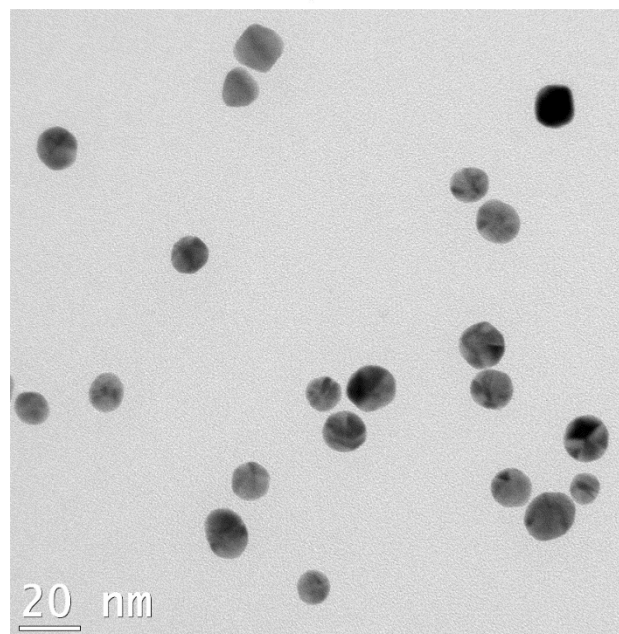
Chitosan 85% deacetylated
CAS 9012-76-4



Gold nanoparticles
functionalized with chitosan



Diameter (TEM):	14.27 ± 2.67 nm
Coefficient of polydispersity:	18.6%
Particle concentration:	1.22E+13 particles/mL
Surface area (TEM):	21.74 m ² /g
Particles surface charge:	positive
Mass Concentration of gold:	0.360 mg/mL
Gold purity:	99.99 %
pH of the solution:	5.5
Particle surface:	Chitosan
Solvent:	Milli-Q water



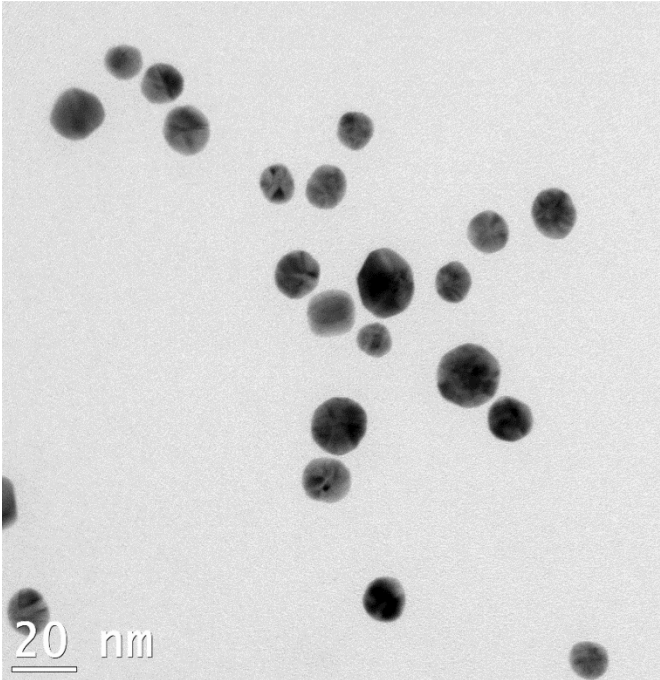
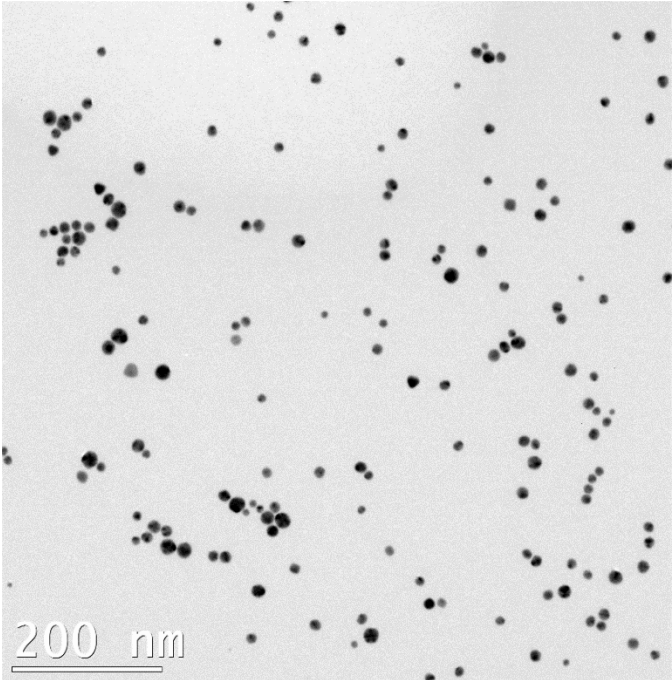
Instrumentation used for characterization

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

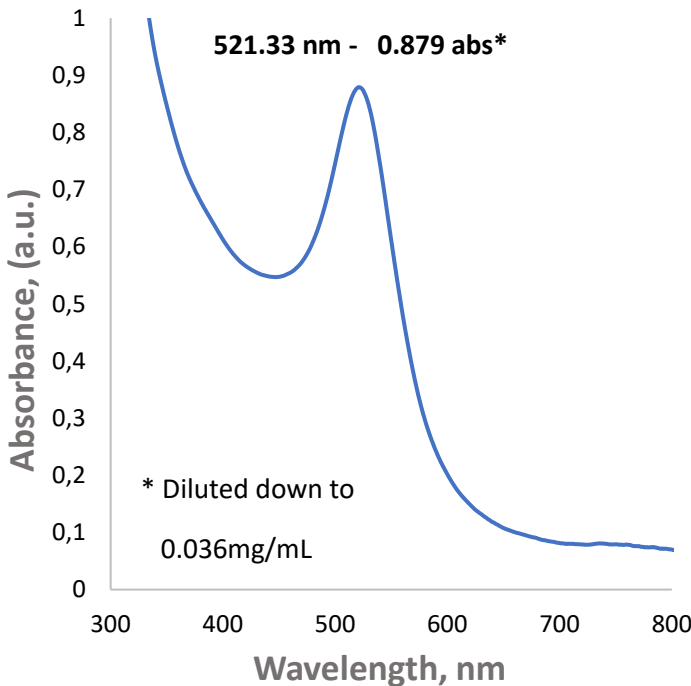
Store at 4-8C away from light. DO NOT FREEZE



Chitosan conjugated Gold nanospheres



Optical Properties



Size Distribution

