

Electronic Supplementary Information

“Small, stable and biocompatible gold nanoparticles capped with a β -cyclodextrin polymer”

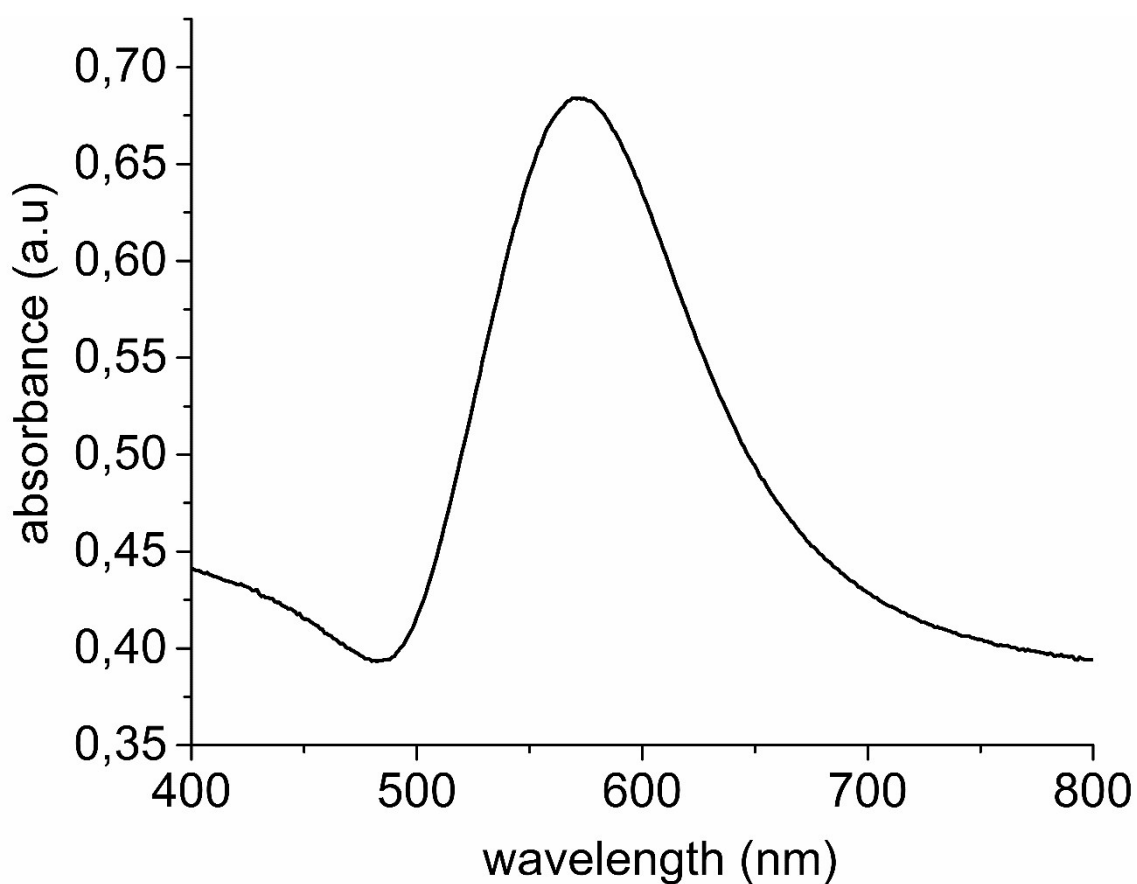


Fig. S1. UV-Vis. spectrum recorded to AuNPs prepared at $[\beta\text{CDP}] = 10 \text{ mg/mL}$ in absence of Na_3Cit

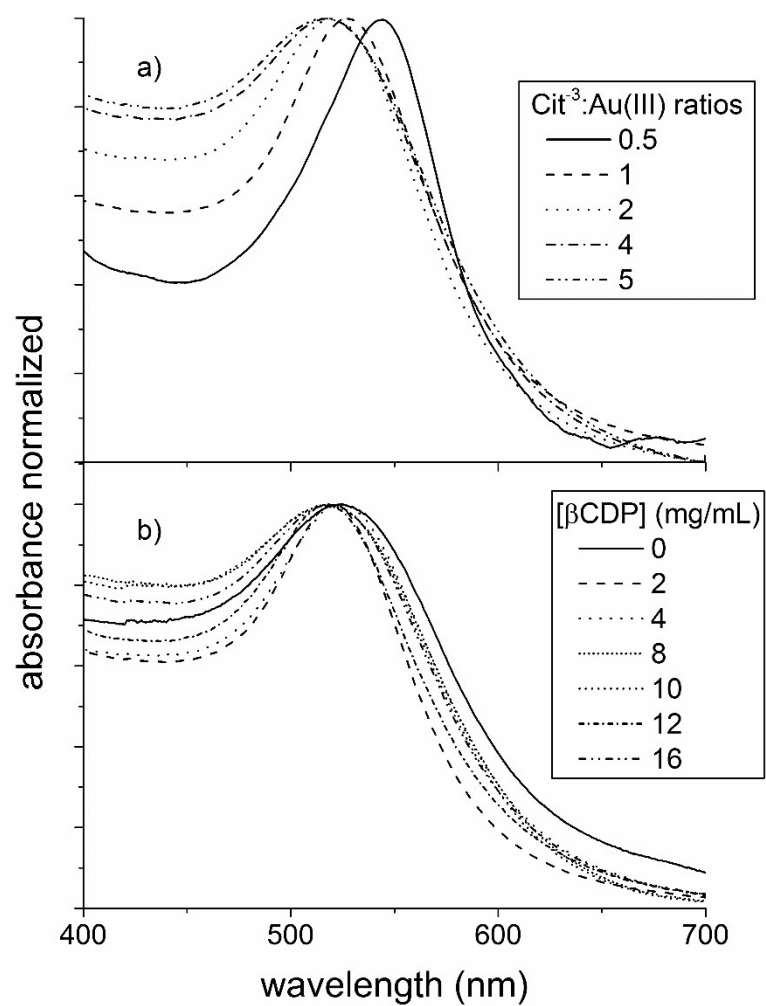


Fig. S2. UV-Vis. spectrum recorded to AuNPs prepared at different Cit³⁻:Au(III) ratios (a) and at different mass concentration of βCDP (b).

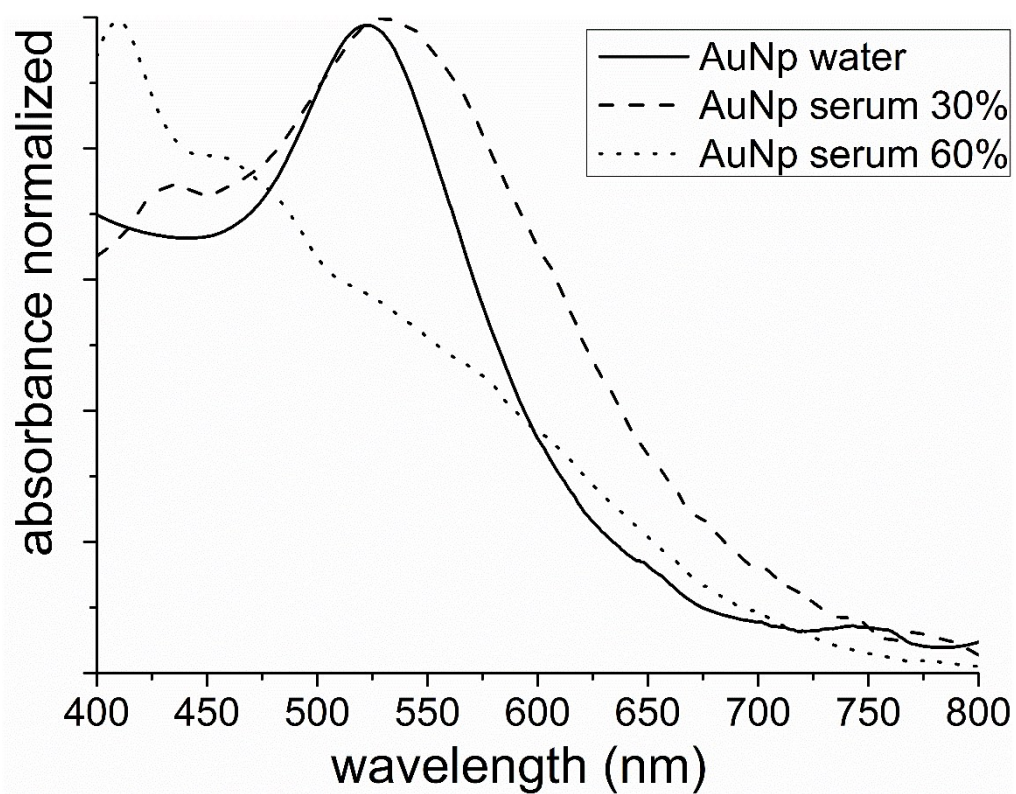


Fig. S3. UV-Vis. spectrum of AuNPs prepared in absence of β CDP after two days in water (solid line) and in 30% (dashed line) and 60% (dotted line) v/v of blood serum/water.

Table S1: ζ -potentials values determined by DLS

System	pH	ζ -potential (s.d)*
AuNP@Cit	5.7	-39.6 (± 1.8)
AuNP@ β CDP	6.3	-19.3 (± 1.5)

*Standard deviation determined by five independently measurements each with a least 12 runs.