Selective and naked eye colorimetric detection of creatinine by aptamer-based target induced passivation of gold nanoparticles

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Supplementary information

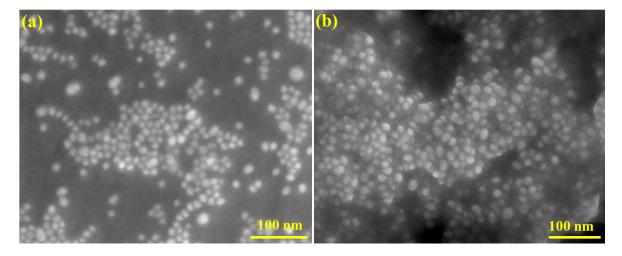


Fig. S1. SEM images of (a) AuNPs and (b) DNA-AuNPs

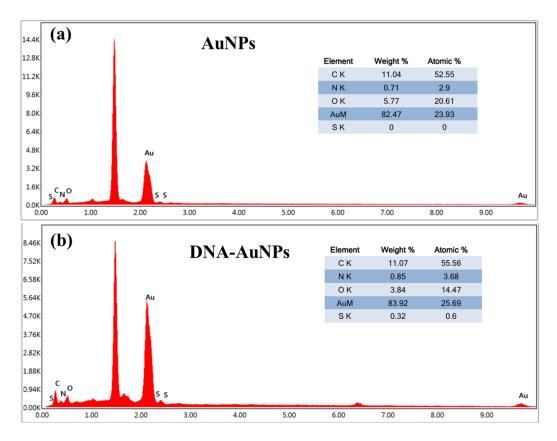


Fig. S2. EDS spectra of (a) AuNPs and (b) DNA-AuNPs

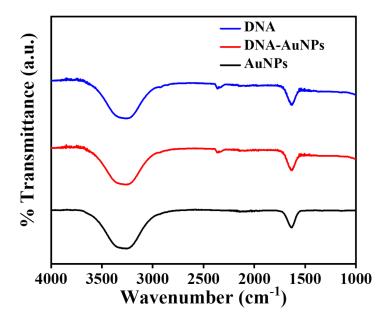


Fig. S3. FTIR spectra of DNA, AuNPs and DNA-AuNPs.

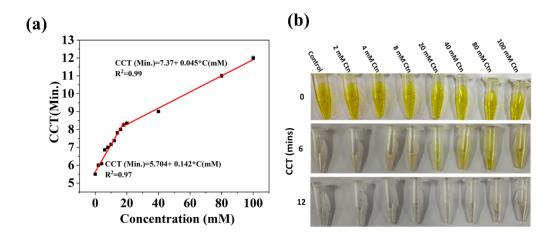


Fig. S4. (a) The CCT versus concentration of creatinine of the developed assay with varying concentrations form 0-100 mM (b) Photographs capturing the reaction mixtures at 0, 6, and 12 min.