

Supplementary Information

Characterization of Polylactide-Stabilized Gold Nanoparticles and Its Application in the Fabrication of Electrochemical DNA Biosensors

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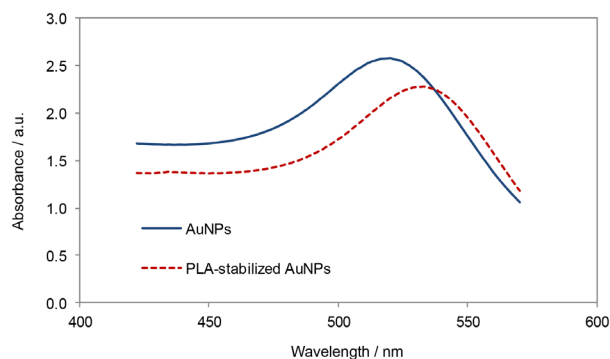


Figure S1. UV-Vis spectra of AuNPs and PLA-stabilized AuNPs in the range of 420-580 nm.

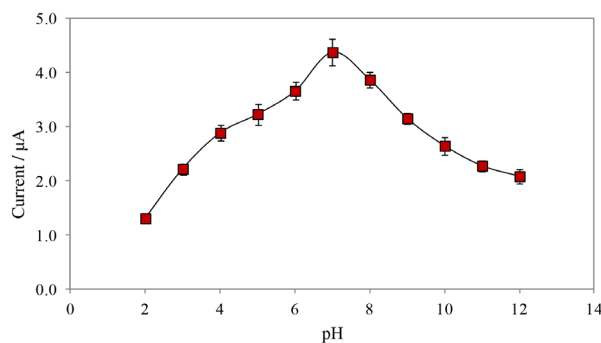


Figure S3. Effect of pH on the peak current of $[\text{Fe}(\text{CN})_6]^{3-/4-}$ at potential range of 1.0 to -1.0 V with scan rate of 100 mV s^{-1} .

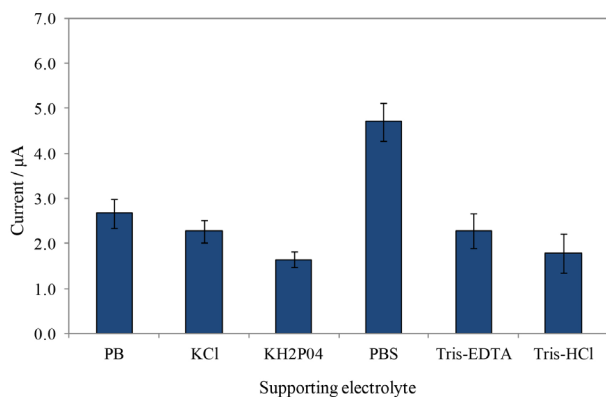


Figure S2. Effect of different supporting electrolytes towards oxidation peak current of $[\text{Fe}(\text{CN})_6]^{3-/4-}$ at potential range of 1 to -1 V with 100 mV s^{-1} scan rate.

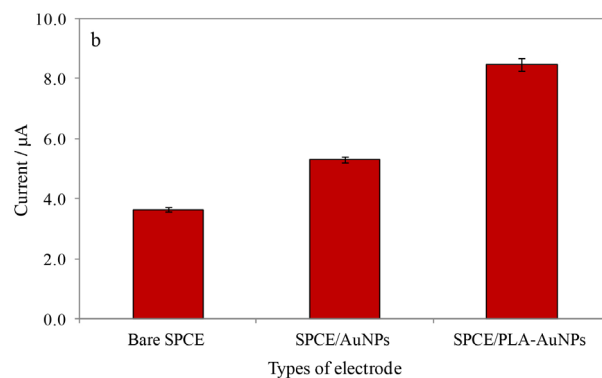


Figure S4. Oxidation peak current of $\text{K}_3[\text{Fe}(\text{CN})_6]$ (1.0 mmol L^{-1}) on the surface of different electrodes. Cyclic voltammetry in potential range 1 to -1 V, scan rate: 100 mV s^{-1} .