A miniaturized electrochemical assay for homocysteine using screen-printed electrode with cytochrome c anchored gold nanoparticles

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Supplementary data

Figure S1

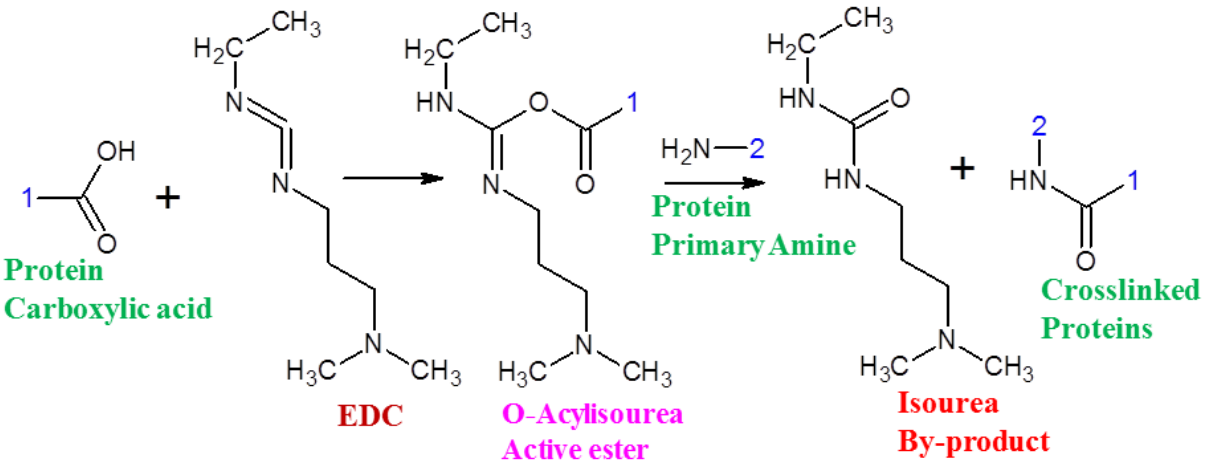

Fig. S1. A mechanism of crosslinking of cyt *c* with EDC.

Figure S2

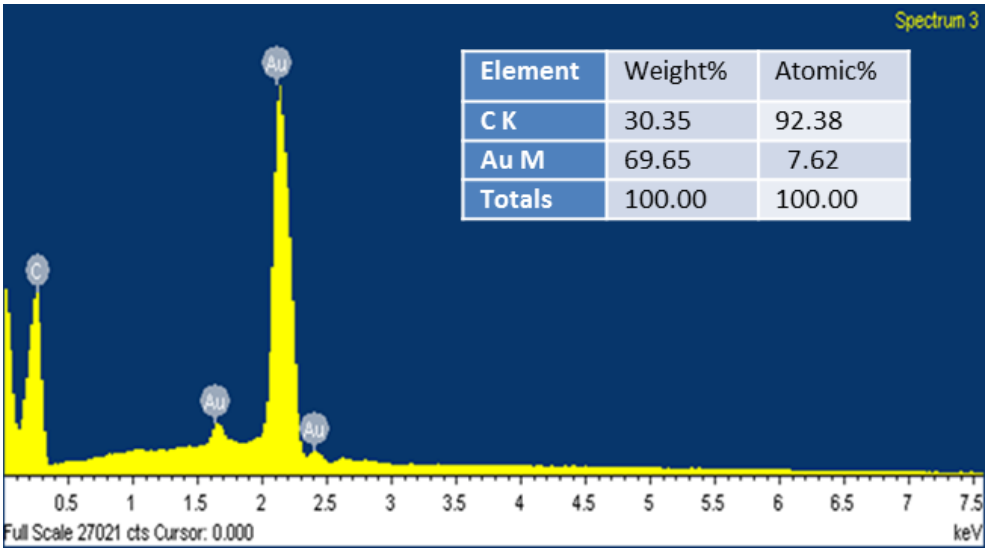

Fig. S2. EDX spectrum of GNP-SPE.

Figure S3

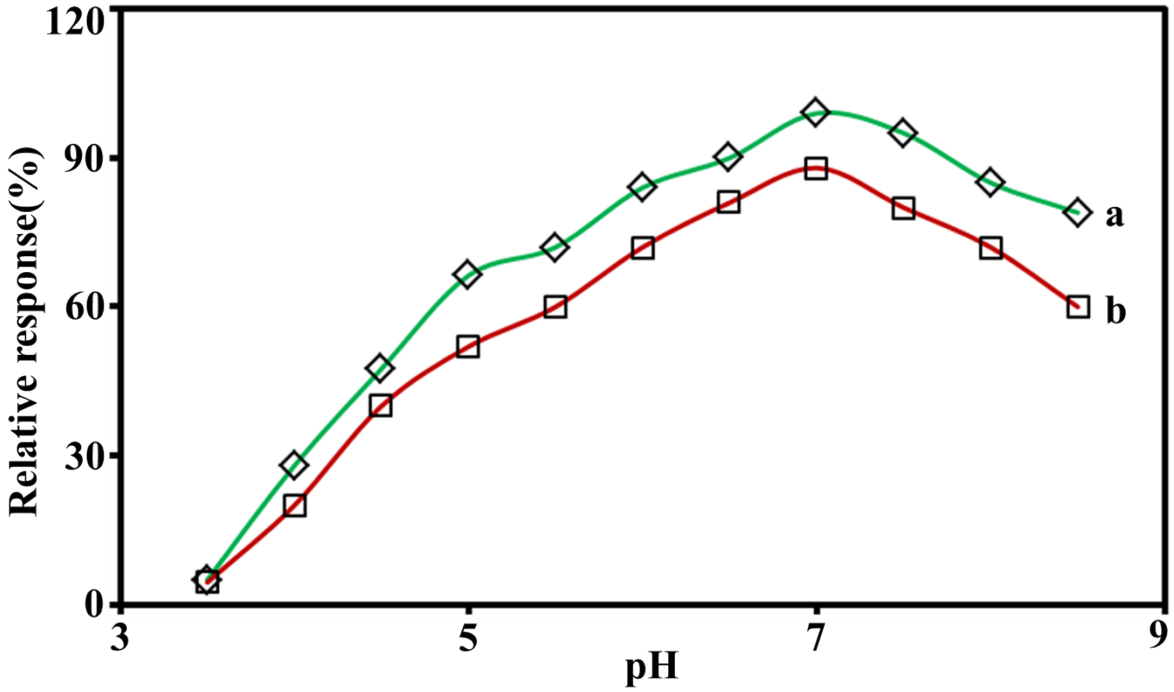

Fig. S3. Effect of pH on the peak current of a) cyt c-GNP-SPE and b) cyt c-SPE in 0.1 M PBS at scan rate 50 mV S^{-1}.

Figure S4

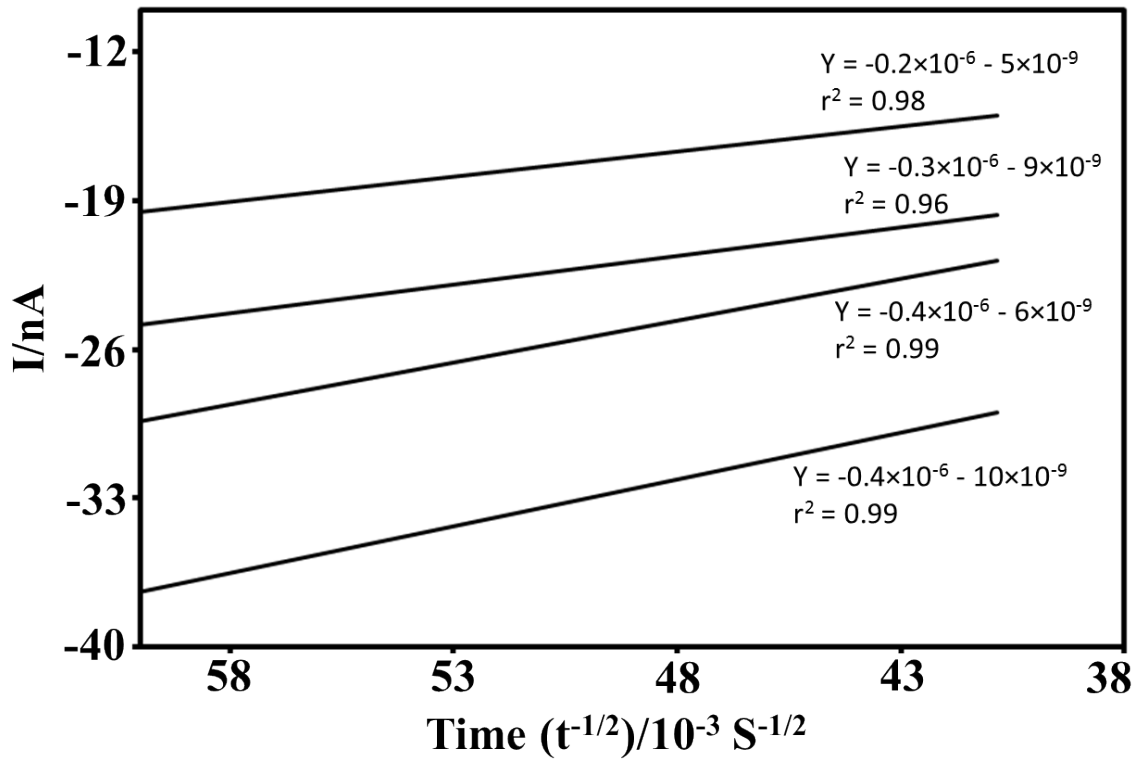

Fig. S4. Cottrell plot obtained for the various HcySH concentrations chronoamperograms.

Figure S5

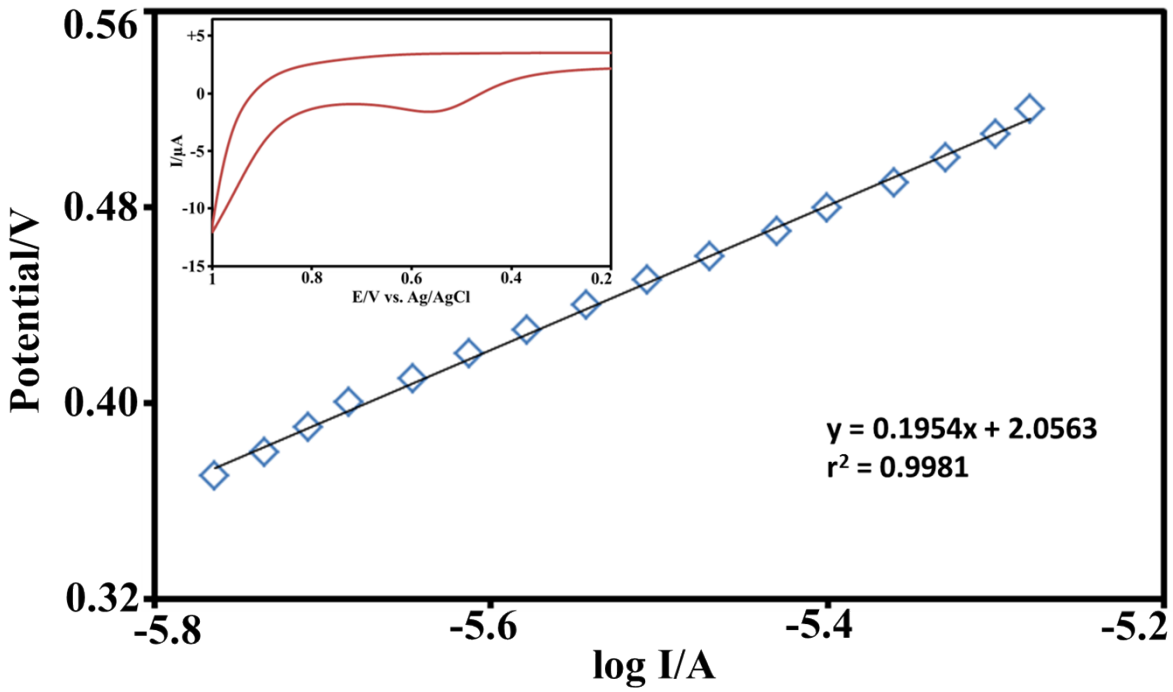

Fig. S5. Tafel plot for the 100 μM L^{-1} HcySH in 0.1 M PBS (pH 7.2) at cyt c-GNP-SPE.