

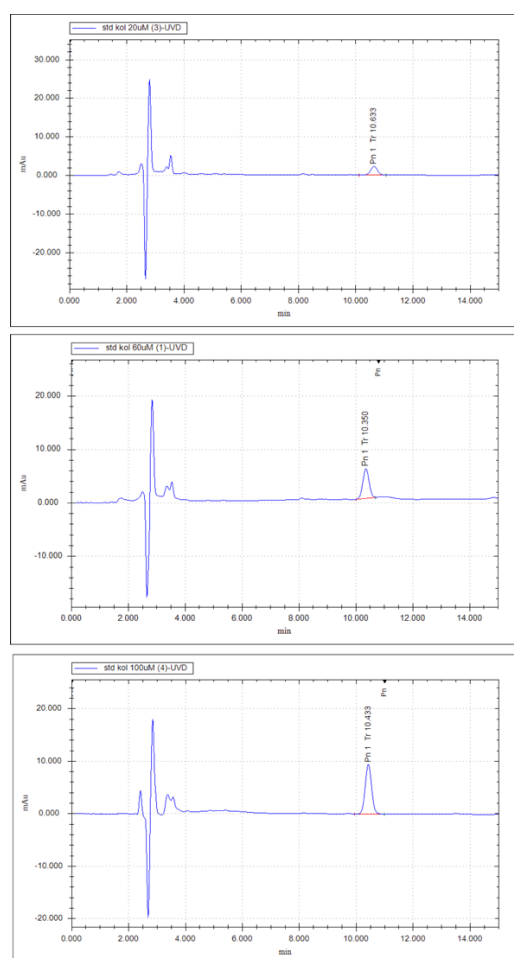
SUPPORTING INFORMATION

β -cyclodextrin/ Fe_3O_4 Nanocomposite for an Electrochemical Non-Enzymatic Cholesterol Sensor

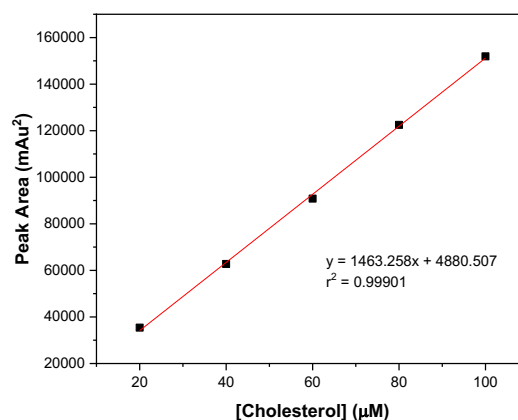
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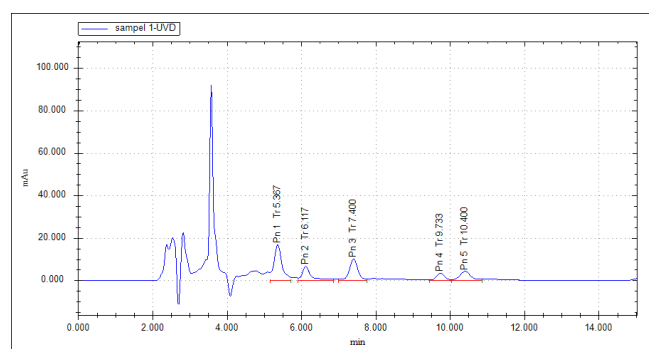
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ES1. Typical chromatograms of the standard cholesterol solutions with concentrations of (a) 20 μM , (b) 60 μM , and (c) 100 μM .



ES2. Linear dynamic range of the standard cholesterol solutions in various concentrations range between 20 and 100 μM measured by HPLC method.



ES3. Chromatograms of the prepared milk sample.

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† Footnotes relating to the title and/or authors should appear here.
Electronic Supplementary Information (ESI) available: [details of any supplementary information available should be included here]. See DOI: 10.1039/x0xx00000x

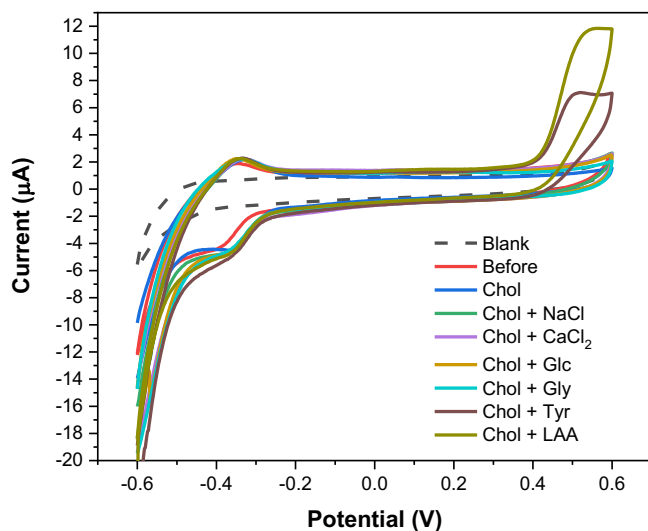


Figure ESI4. Cyclic voltammograms of cholesterol measurement (100 μM) at potential of -0.6 V – 0.6 V in PBS 50 mM pH 7.4

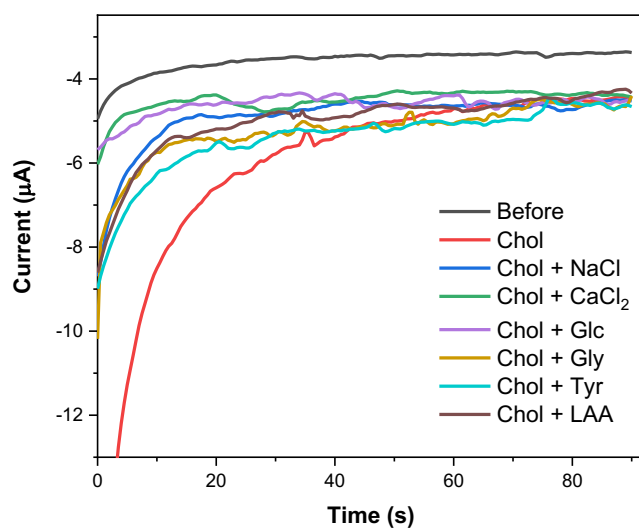


Figure ESI5. Amperograms of 100 μM standard cholesterol solutions at an applied potential of -0.43 V in 50 mM PBS pH 7.4 in the presence of 1 mM interfering agents