

Electronic Supplementary Material (ESI) for New Journal of Chemistry

Supporting Information

In-situ Assay of Nerve Agents Enabled by a Self-Assembly Bienzymatic
Electrochemical Biosensor

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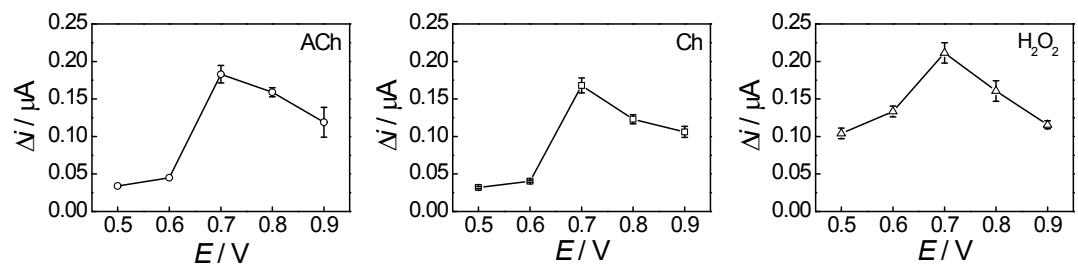


Fig. S1. Effects of detection potentials on the amperometric responses of ACh, Ch and H_2O_2 on AChE-ChOx-CS-Glu/PoPD/Au electrode in stirred aCSF (pH 7.3).

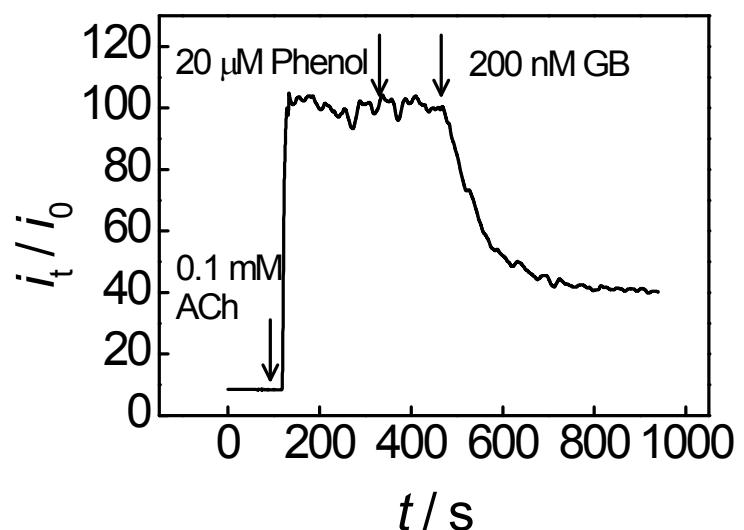


Fig. S2. Effect of 20 μ M phenol on the response of AChE-ChOx-CS-GA/PoPD/Au electrode on 0.1 mM ACh at 0.7 V in stirred aCSF (pH 7.3).

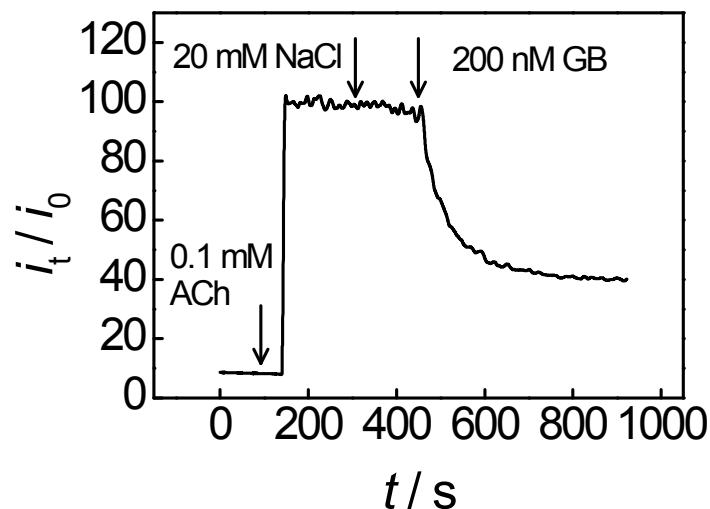


Fig. S3. Effect of 20 mM NaCl on the response of AChE-ChOx-CS-GA/PoPD/Au electrode on 0.1 mM ACh at 0.7 V in stirred aCSF (pH 7.3).

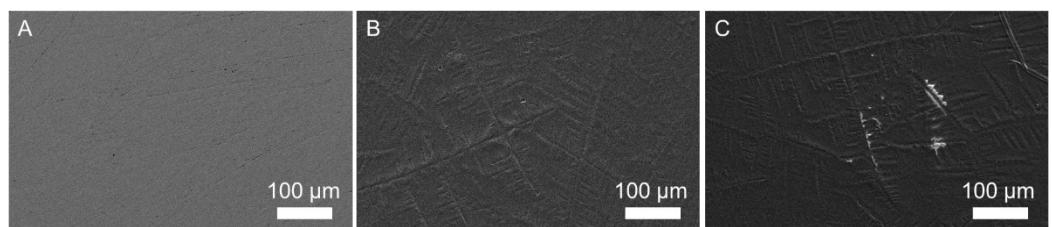


Fig. S4. SEM images of PoPD/Au electrode (A), AChE-ChOx-CS-Glu/PoPD/Au biosensor before (B) and after (C) the NAs detection.