

Supplementary Materials

A Simple Ratiometric Electrochemical Aptasensor Based on the Thionine–Graphene Nanocomposite for Ultrasensitive Detection of Aflatoxin B2 in Peanut and Peanut Oil

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1. XRD Spectra of THI-rGO

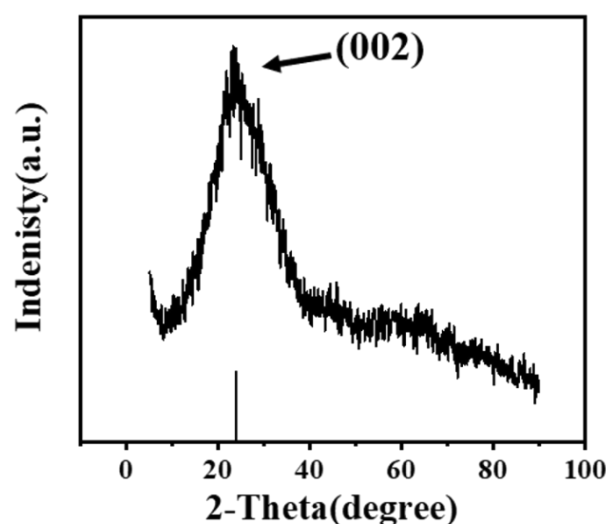


Figure S1. XRD spectra of rGO.

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2. Optimization of Experimental Conditions

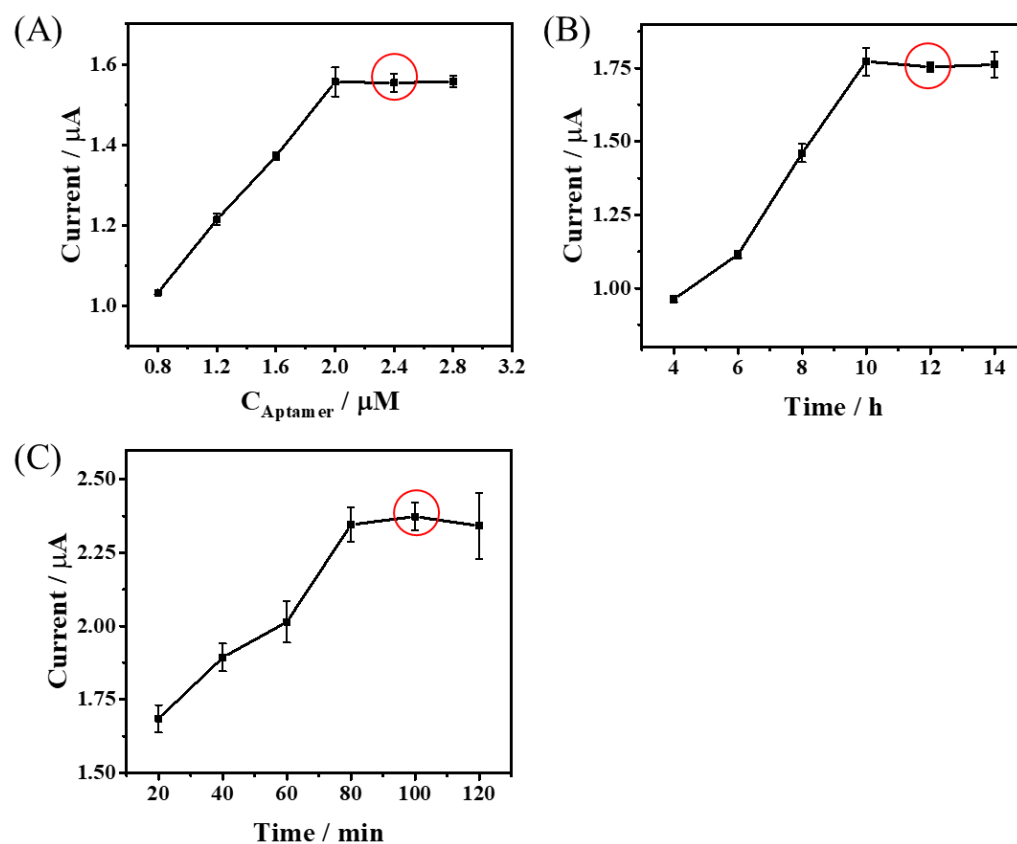


Figure S2. Effect of (A) aptamer concentration, (B) the incubation time of aptamer, (C) incubation time of AFB2 on peak current. Error bars represent the relative standard deviation (RSD, n = 3).

3. Reproducibility and Stability of the EC Aptasensor

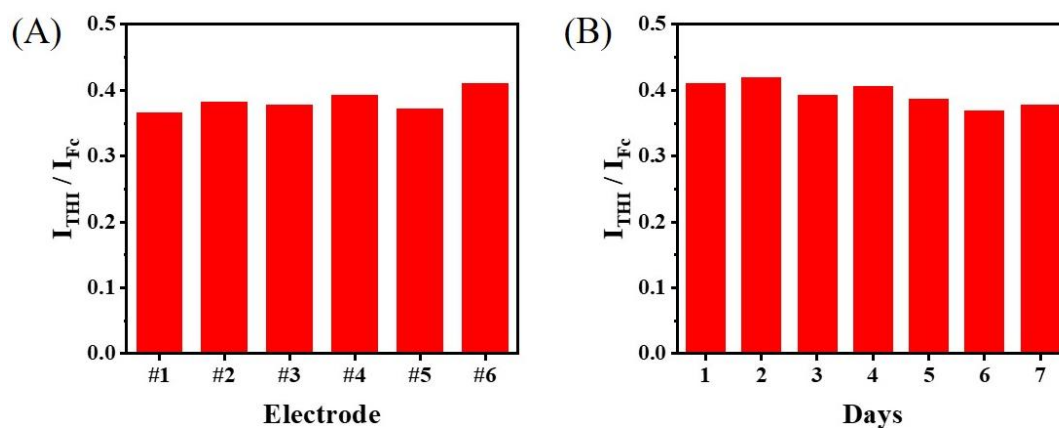


Figure S3. (A) The reproducibility for AFB2 detection by 6 parallel measurements. (B) The sensing results of the proposed aptasensor for AFB2 detection after stored for 1–7 days.