

Application of PS2M aptamer as receptor layer for electrochemical detection of lead ions

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Supplementary information

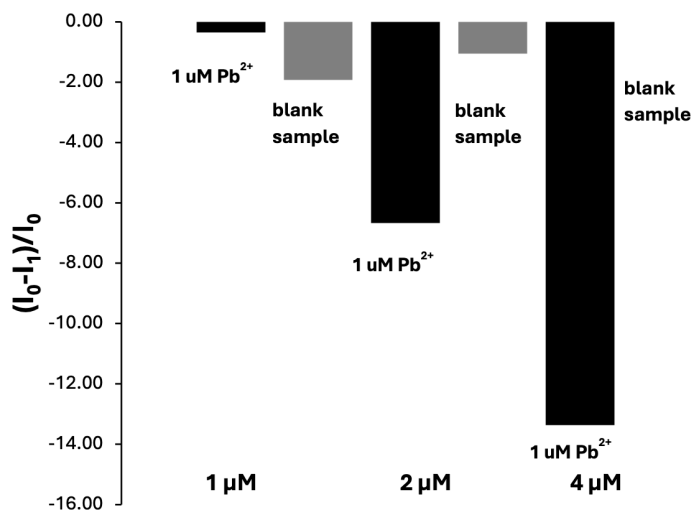


Figure S1. Comparison of aptasensor responses after incubation with 1 μM lead ions and blank sample applying sensing layer composed of either 1, 2 or 4 μM aptamer and 4 μM MCH. All the experiments were recorded using square-wave voltammetry (cathodic scan) in the presence of 1 μM methylene blue.

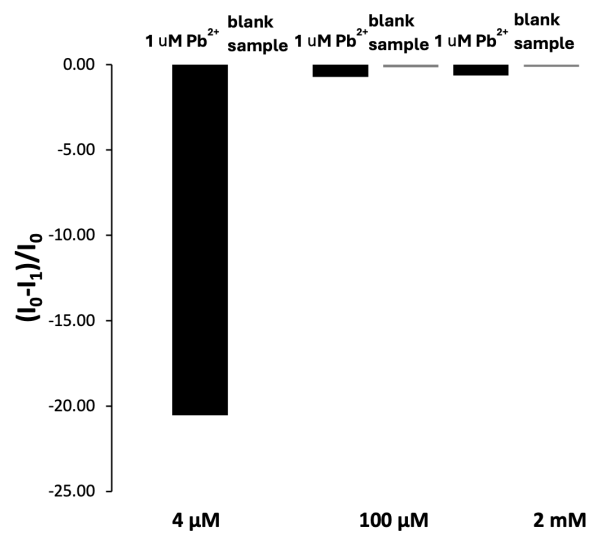


Figure S2. Comparison of aptasensor responses after incubation with 1 μM lead ions and blank sample applying sensing layer composed of 4 μM aptamer and 4, 100 μM or 2 mM MCH. All the experiments were recorded using square-wave voltammetry (cathodic scan) in the presence of 1 μM methylene blue.