

Electronic Supplementary Material

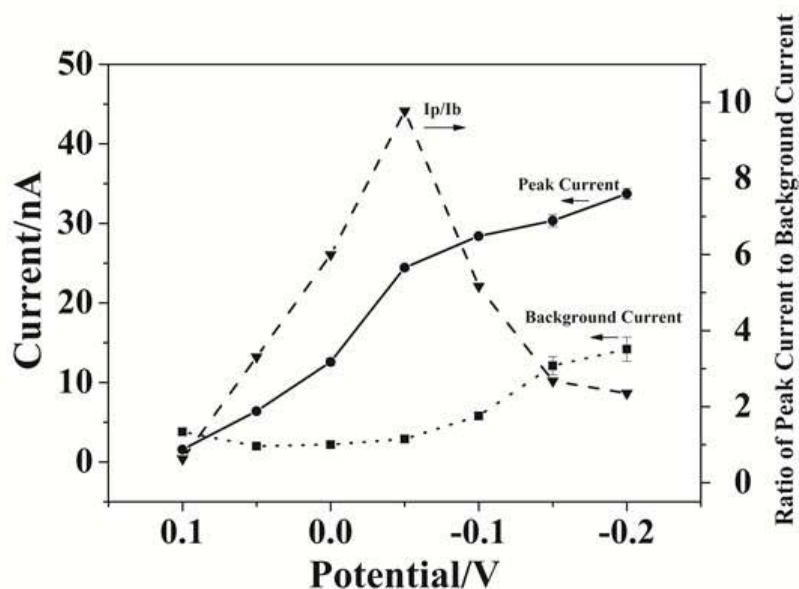
A Polymeric Dual-Channel Biosensor Chip Capable of Symmetrically
Splitting Sample Bands for Parallel Micro Flow Injection Determination
of Glucose and Lactate

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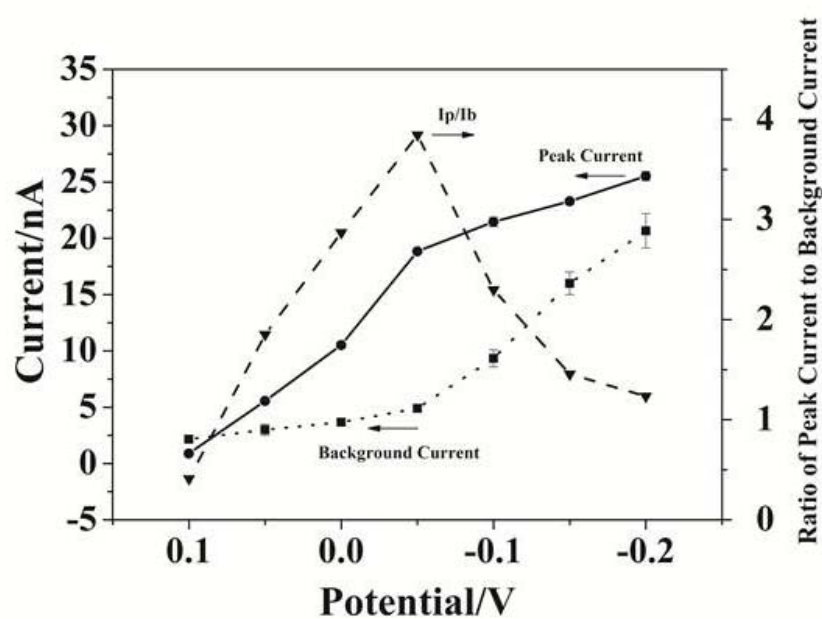
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(a)



(b)

Fig. S1 Hydrodynamic voltammograms of glucose (a) and lactate (b) obtained with the developed μ -FI-AB chip. Peak current (I_p) (solid line), background current (I_b) (dot line) and ratio of I_p -to- I_b (dash line). Experimental conditions: carrier solution, 30 mmol L⁻¹ phosphate buffer (pH 7.4); carrier flow rate, 6 μ L min⁻¹; sample volume, 20 nL

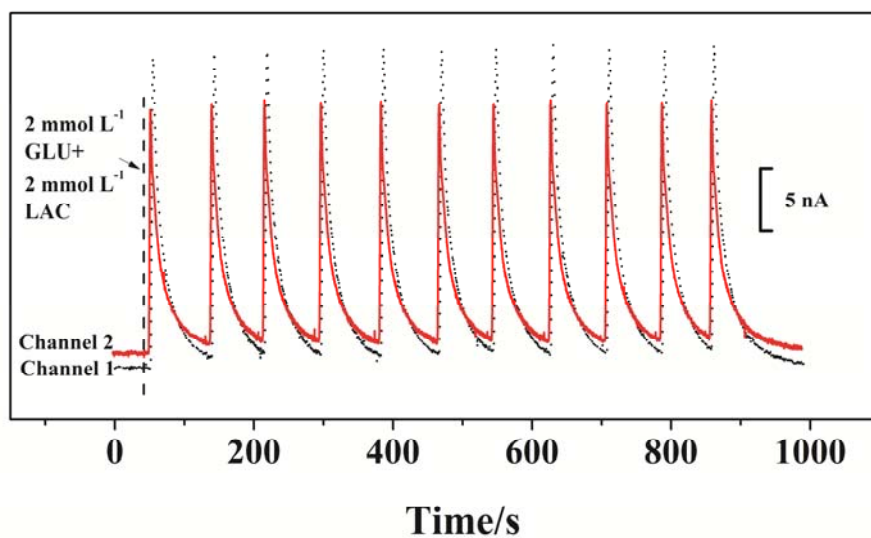


Fig. S2 Typical recording traces of 11 consecutive runs with a glucose (black) or a lactate (red) standard solution. Experimental conditions: carrier solution, 30 mmol L⁻¹ phosphate buffer (pH 7.4); detection potential, -0.05 V; carrier flow rate, 6 μL min⁻¹; sample volume, 20 nL