

Electronic Supplementary Information for Analyst

Cotton Fabric-based Electrochemical Device for Lactate Measurement in Saliva

Radha S.P. Malon,^a K.Y. Chua,^a Dedy H.B. Wicaksono^{a,b} and Emma P. Córcoles^{a*}

a Faculty of Biosciences and Medical Engineering (FBME), Universiti Teknologi Malaysia (UTM), 81310 Skudai, Johor, Malaysia.
b Medical Implant Technology Group (MediTeg), Materials and Manufacturing Research Alliance (MM-RA), Universiti Teknologi Malaysia (UTM), 81310 Skudai, Johor, Malaysia.

* Corresponding author; Email: emmacorcoles@gmail.com, emma@biomedical.utm.my

Supplementary Figures

Figure S1 CV of the C-PB electrodes on the FED as obtained in 0.1 M PBS at potential scan rates ranging from 10 to 100 mV/s. *Inset* shows the dependence of anodic and cathodic peak currents on the square root of the potential scan rate.

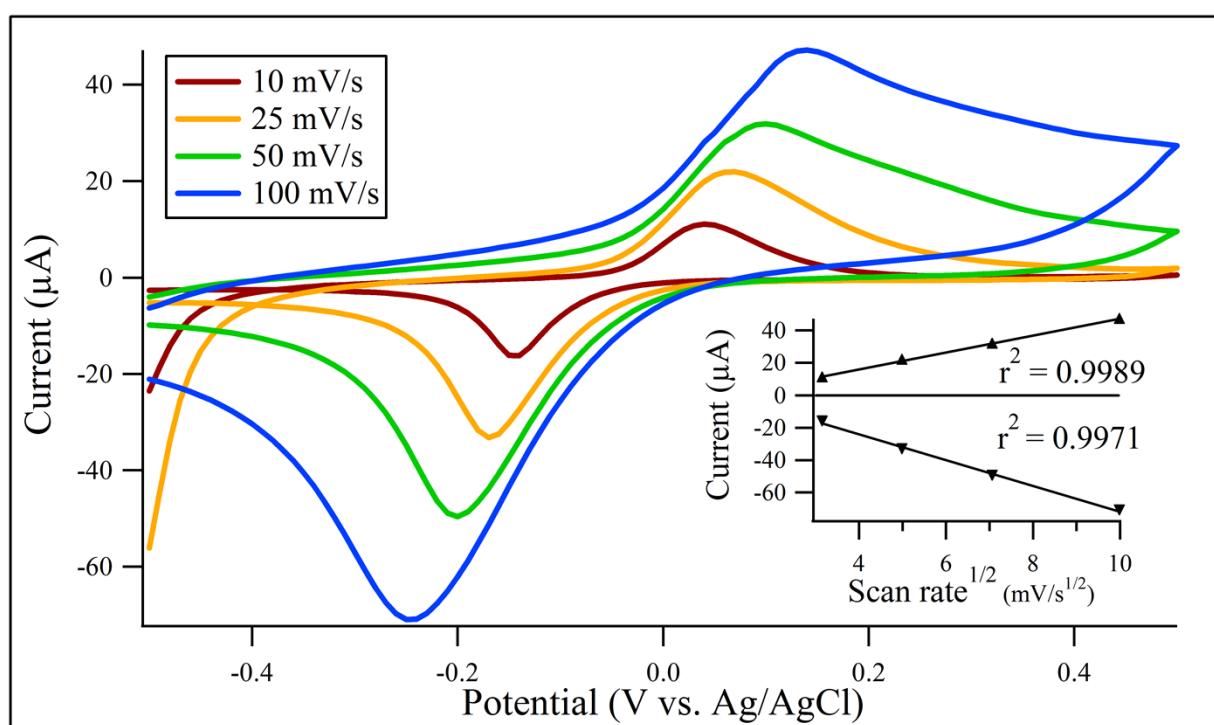


Figure S2 Chronoamperometric response to demonstrate selectivity of the lactate FED towards 0.5 mM lactate in the presence of 0.5 mM glucose, ascorbic acid and uric acid, respectively. *Inset* shows the mean anodic current obtained for the respective sample solutions for three separate lactate FEDs. Error bars = \pm SEM ($n = 3$).

