

Electronic Supplementary Information (ESI)

## **Cellulose nanofiber-based electrode as a component of an enzyme-catalyzed biofuel cell**

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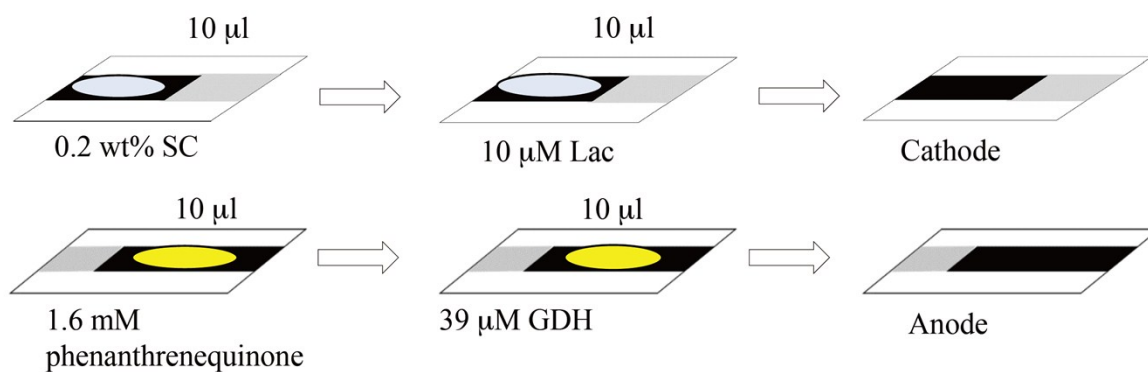
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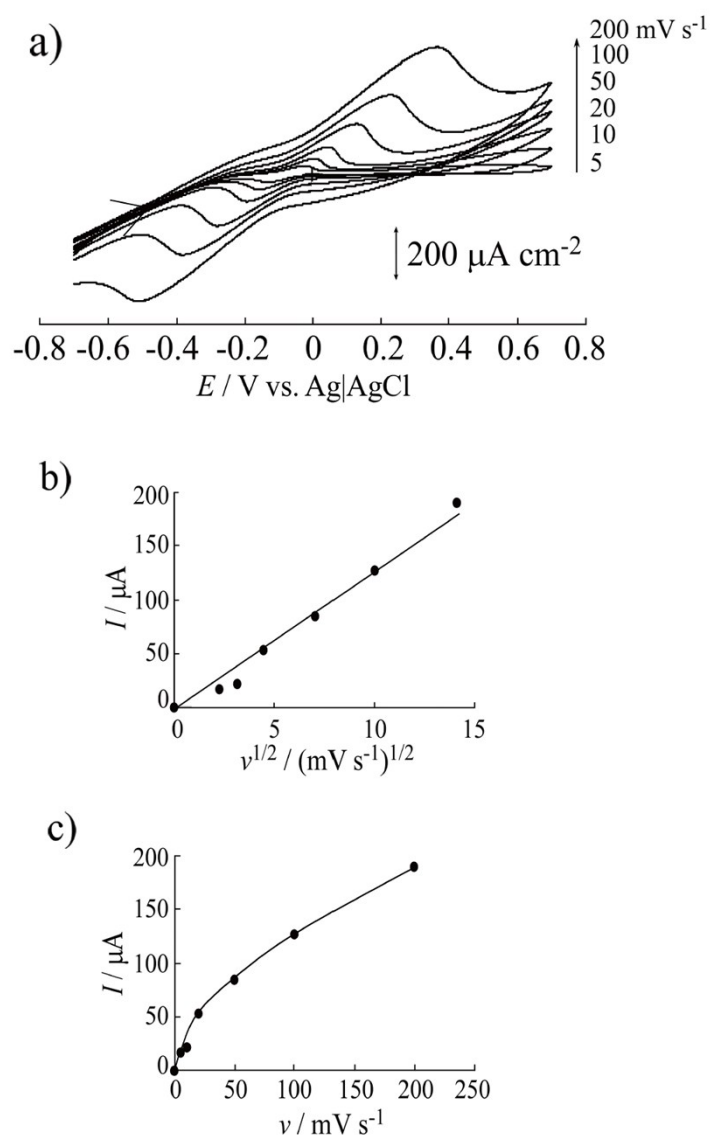
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## Experimental



**Scheme S1.** Schematic illustration of anode and cathode preparations for the enzyme-catalyzed biofuel cell.

## Results and discussion



**Figure S1.** Cyclic voltammograms for the 9,10-phenanthrenequinone-modified MWCNT/CNF sheet in  $0.1 \text{ mol dm}^{-3}$  acetate buffer solution (pH 5) at various potential sweep rates (a). Plots of the cathodic peak current versus the square root of the potential sweep rate (b) and versus the potential sweep rate (c). The 9,10-phenanthrenequinone-modified MWCNT/CNF sheet was prepared by simple drop-casting of  $30 \mu\text{L}$  of a  $1.6 \text{ mmol dm}^{-3}$  ethanol solution of 9,10-phenanthrenequinone.