

Supplementary Figures

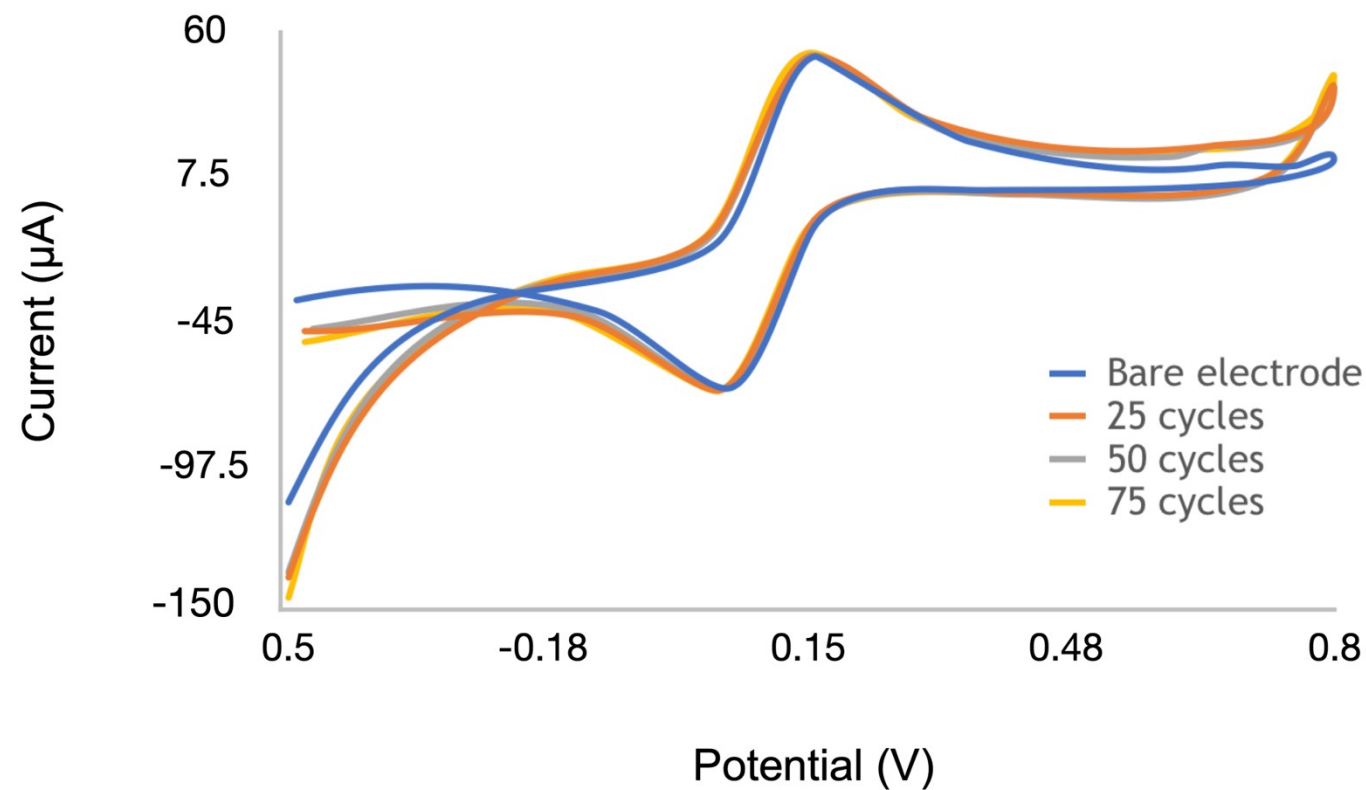


Figure S1. Electrochemically reduced GO CV measurements in the potential range from -0.5 to 0.8 V.

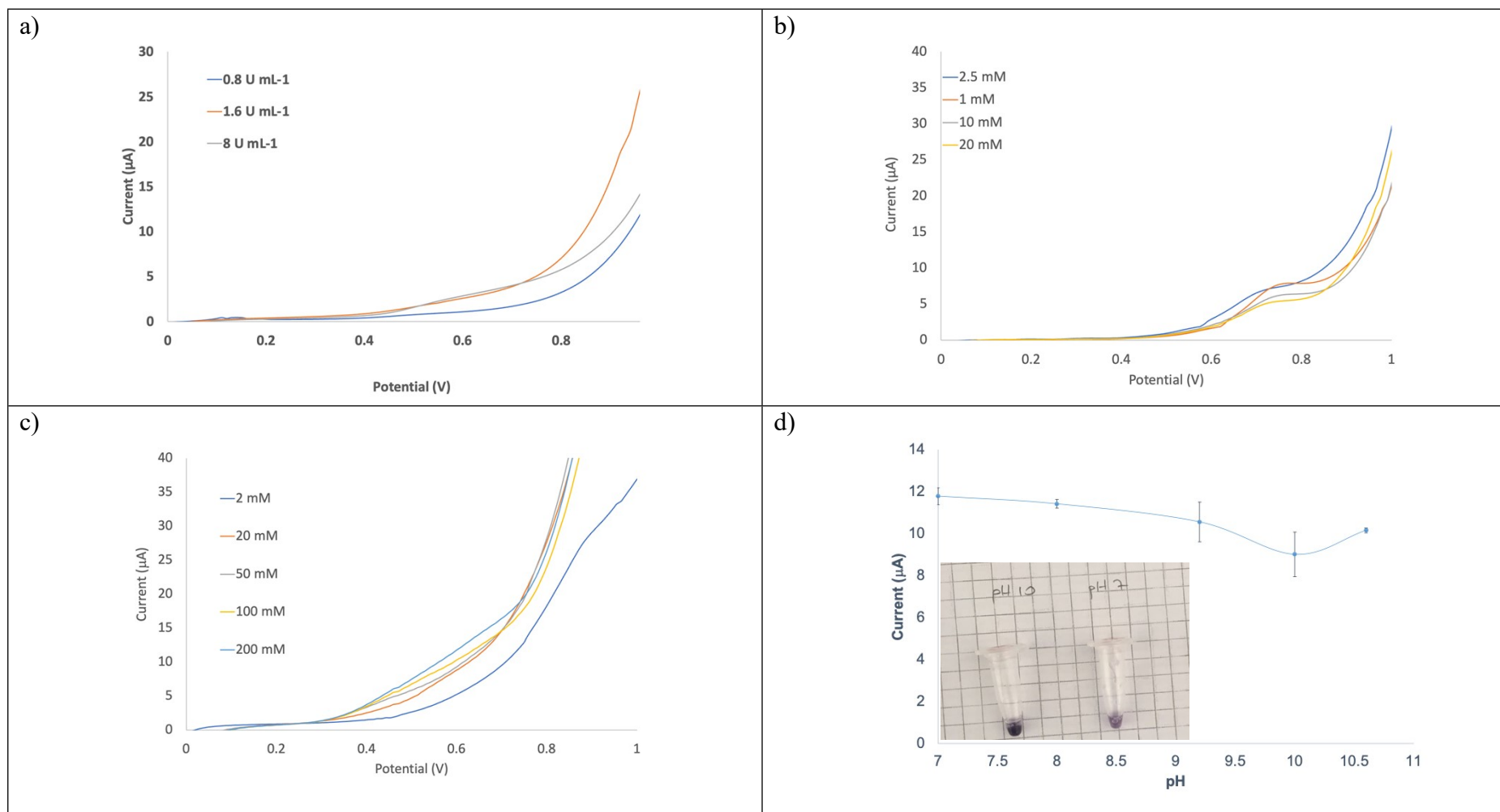


Figure S2. Optimisation of the experimental conditions for the reagents used. All measurements were performed with linear sweep voltammetry technique (Scan rate: 50 mV.s⁻¹, range: 0-1 V), a) enzyme concentration (Phe: 2mg/dL, NAD⁺: 20 mM, pH 10.4 20 mM glycine buffer), b) NAD⁺ concentration (Phe: 2mg/dL, pH 10.4 200 mM glycine buffer, enzyme: 1.6 U mL⁻¹), c) glycine buffer concentration (0.6 mM NAD⁺) d) pH dependence of NADH responses at 20 mM glycine buffer (inset: colorimetric enzyme activity test at pH 10 and pH 7).