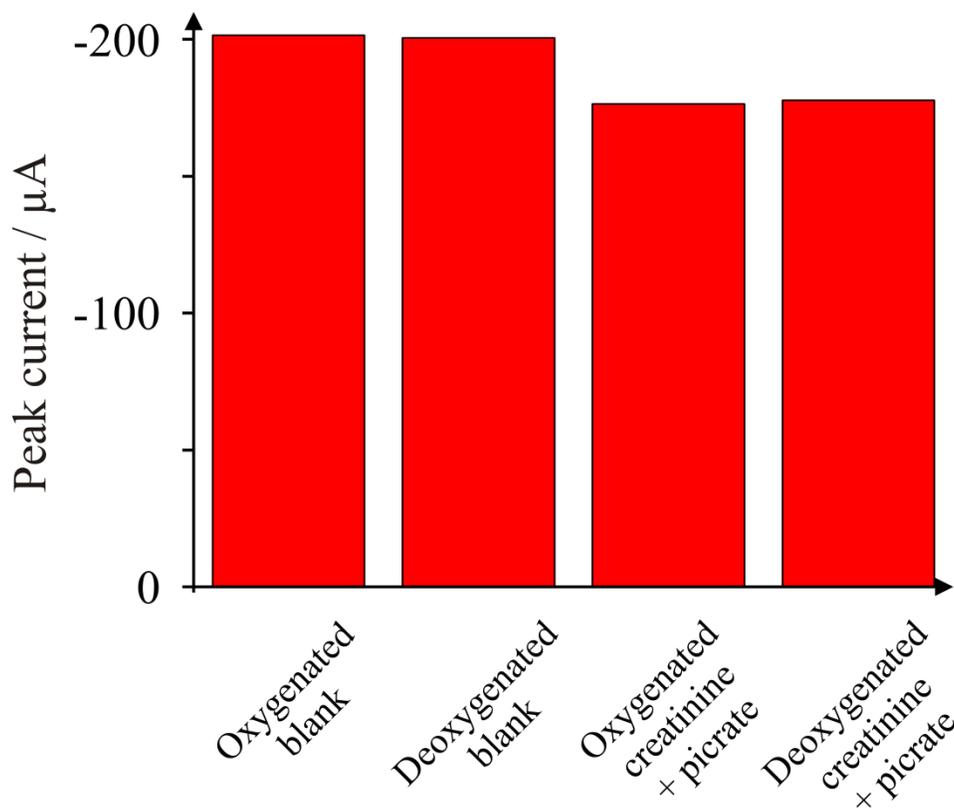


Electronic Supporting Information

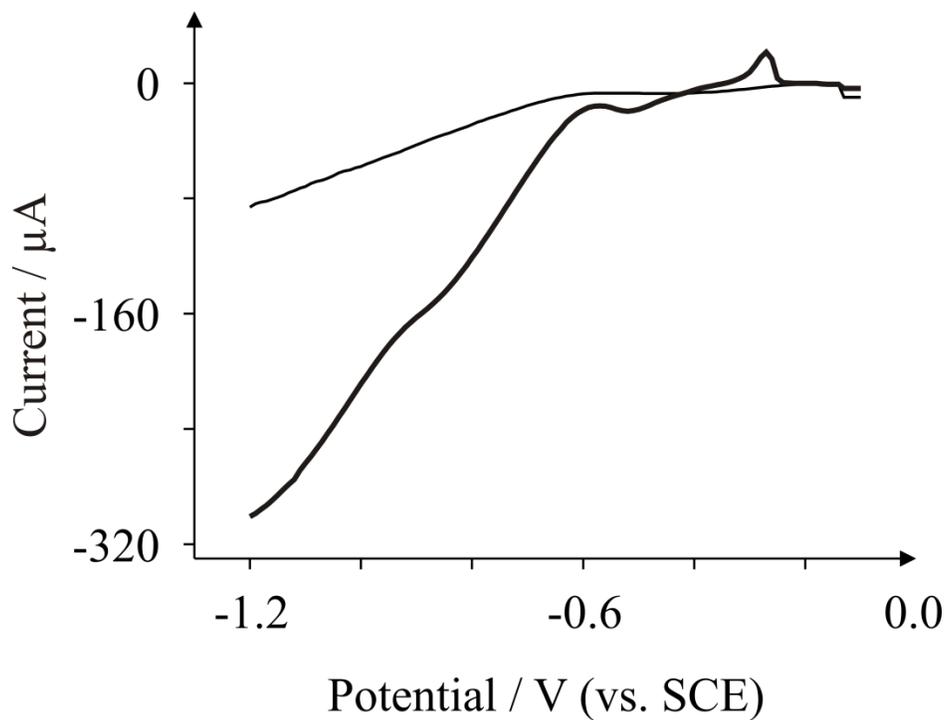
ESI Figure 1

Graphical representation of the effect of degassing solutions upon the observed peak reduction current of the picrate anion in both blank picrate solutions (5 mM) and creatinine-containing (5.66 mM) solutions.



ESI Figure 2

Cyclic voltammograms typical of the electrochemical reduction of 5 mM picric acid using (thin line) gold SPE; and (thick line) reduced gold SPE. The gold SPEs are essentially gold oxide, hence the reduced gold SPE, which was held in a blank pH 13 buffer solution for 5 minutes at -2.0 V.



ESI Figure 3

Calibration curve for the UV/Vis absorbance *versus* creatinine concentration ($\lambda_{\text{max}} = 500 \text{ nm}$). Each point is an average of three separate experiments, all with a standard deviation of no more than 0.032 au.

