

Supplemental information

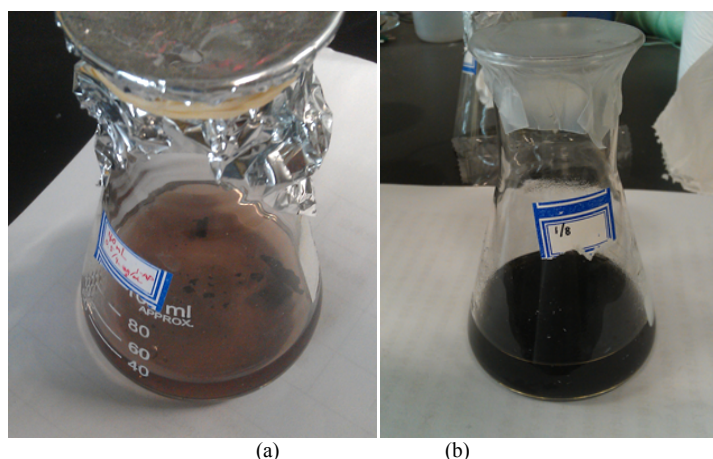
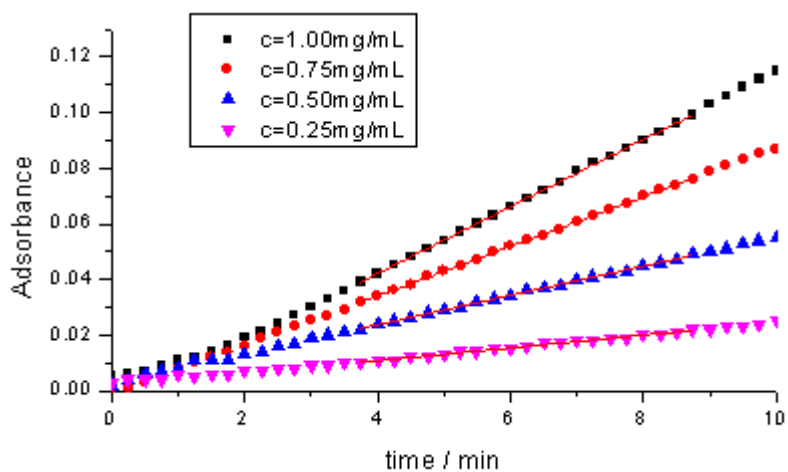
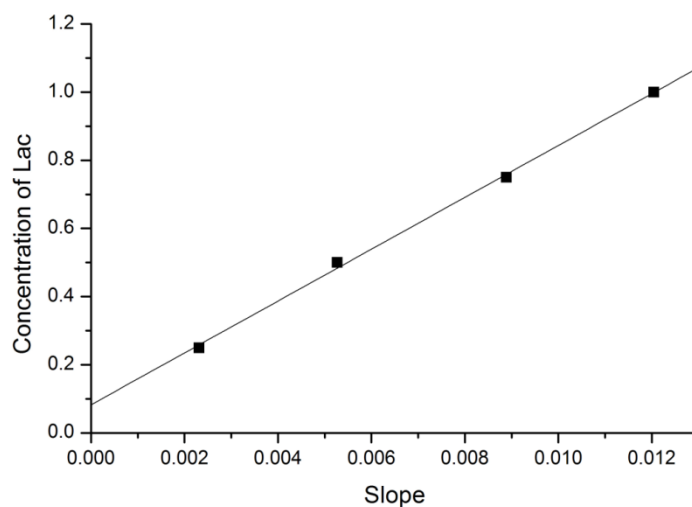


Fig. S1 Photographs of rGO immersed in ethanol, which was prepared through the hydrohalic acid method (a) without and (b) with ultrasonic pre-dispersion of GO



(a)



(b)

Fig. S2 (a) Absorbance at 420 nm with the reaction time at four concentrations of Lac; (b) calibration curve of Lac concentration and its corresponding enzyme activity represented by the slope.