

Electronic Supplementary Information for:

Enhanced Permanganate Chemiluminescence

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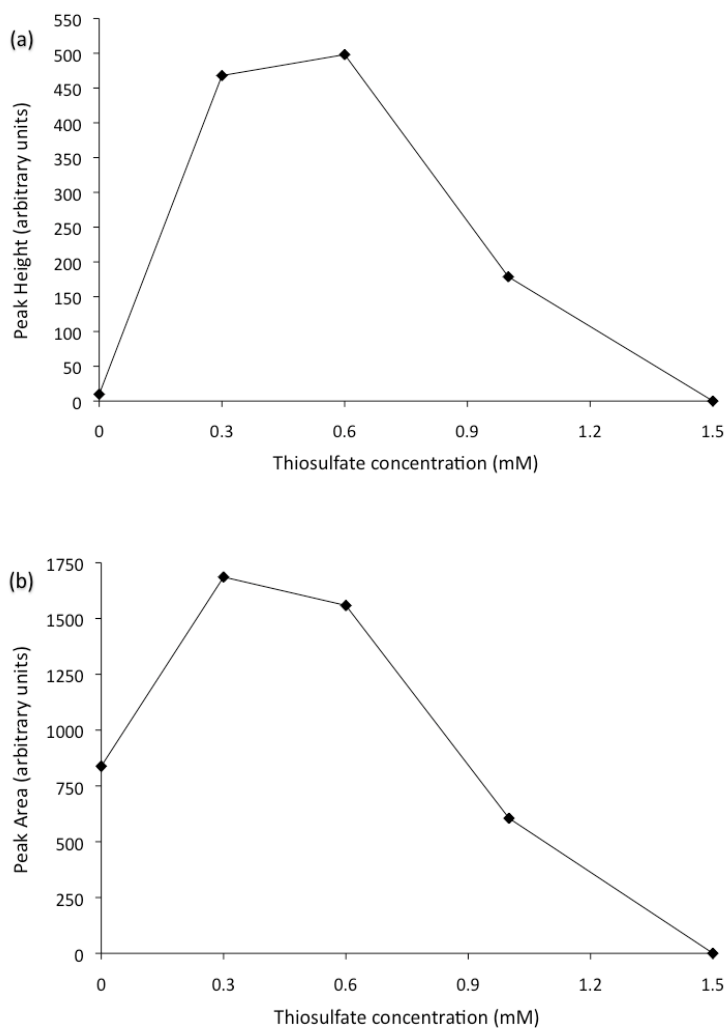


Fig. S1 (a) Peak heights and (b) peak areas for the intensity versus time profiles for 10 μ M synephrine with reagents prepared from 1.9 mM potassium permanganate and various concentrations of sodium thiosulfate, using stopped-flow methodology. Each reagent contained 1% (m/v) sodium polyphosphate and was adjusted to pH 2.5 with H_2SO_4 prior to the addition of sodium thiosulfate (i.e. adding an appropriate volume of a 0.1 M sodium thiosulfate solution to 100 mL of the reagent).

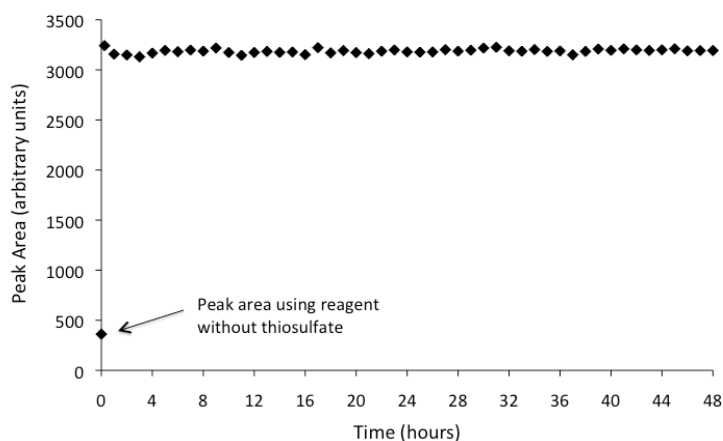


Fig. S2 Stability of permanganate reagent prepared from 1.9 mM potassium permanganate and 0.6 mM sodium thiosulfate (containing 1% (m/v) sodium polyphosphate and adjusted to pH 2.5 prior to the addition of thiosulfate). Each point represents an average of five chemiluminescence signals with 1 μ M morphine, using automated sequential injection analysis instrumentation.