

Supplementary Material for Photochemically Induced Dual Catalysis of Iodide Ion and Iodine in the Tetrathionate–Periodate Reaction

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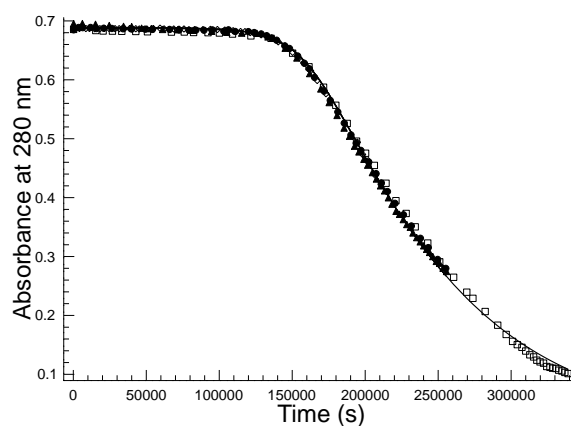


Figure S1: Measured (symbols) and calculated (solid lines) absorbance–time curves at different pHs in absence of initially added iodine and iodide ion. $[S_4O_6^{2-}]_0=0.0003$ M, $[IO_4^-]_0=0.0021$ M, pH=4.55 (\diamond), 4.95 (\blacktriangle), 5.25 (\square), 5.55 (\bullet).

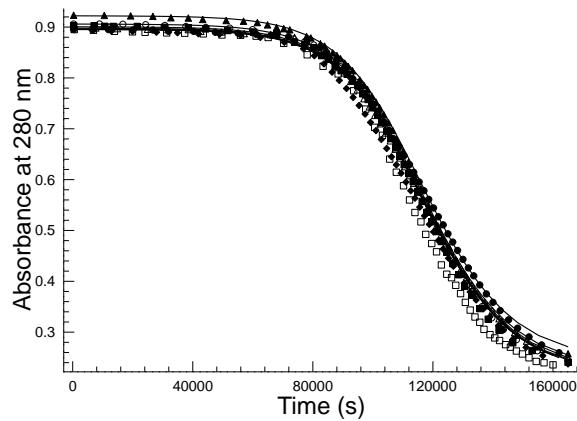


Figure S2: Measured (symbols) and calculated (solid lines) absorbance–time curves at different initial iodate concentrations in absence of initially added iodine and iodide ion. $[S_4O_6^{2-}]_0=0.0016$ M, $[IO_4^-]_0=0.0021$ M, pH=4.95, $[ClO_3^-]_0/mM=0$ (\bullet), 0.1 (\square), 0.2 (\blacklozenge), 0.5 (\triangle), 1.0 (\blacksquare), 2.0 (\circ), 5.0 (\blacktriangle).