

Electronic Supplementary Information for Dalton Transactions
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Stereoselectivity in Electron Transfer Reactions in Chiral Media

by

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Supplementary Materials:

Table S1. Second order rate constants, k_{so} , as a function of pH in 0.01 M acetate buffer and 0.10 M ionic strength (NaNO₃) at 25 °C.

pH	k_{so} (M ⁻¹ s ⁻¹)	pH	k_{so} (M ⁻¹ s ⁻¹)
3.92	5.7(1.1) x 10 ⁴	5.45	6.1(1.0) x 10 ⁴
4.15	7.3(1.2) x 10 ⁴	5.61	6.8(0.8) x 10 ⁴
4.18	5.6(0.8) x 10 ⁴	5.80	7.6(0.8) x 10 ⁴
4.40	5.8(1.5) x 10 ⁴	6.30	6.7(0.3) x 10 ⁴
4.59	6.1(1.1) x 10 ⁴	6.30 ^a	8.8(1.1) x 10 ⁴
4.85	5.5(0.8) x 10 ⁴	6.30 ^b	9.8(1.2) x 10 ⁴
4.95	5.8(0.8) x 10 ⁴	6.62	6.6(1.1) x 10 ⁴
5.24	6.9(0.8) x 10 ⁴		

^a [[Co(en)₃]³⁺] = 1.5 x 10⁻³ M. ^b [[Co(en)₃]³⁺] = 3.0 x 10⁻³ M.

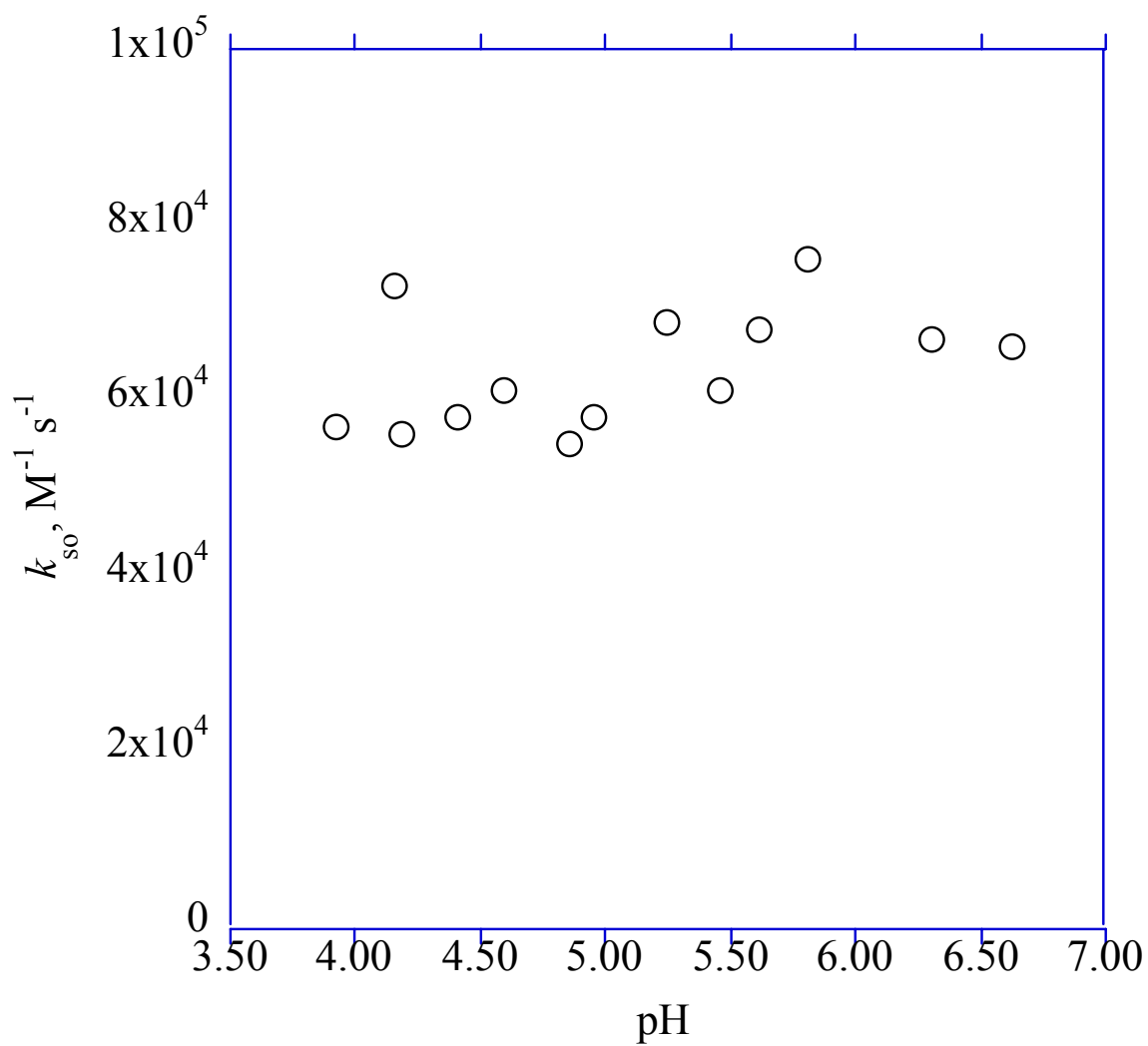


Figure S1 Plot of the second-order rate constant, k_{so} , for oxidation of $[Co(edta)]^{2-}$ by $[IrCl_6]^{2-}$ as a function of pH