

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
95	Pentaamminechlorocobalt(III) ion	$\text{e}_{\text{aq}}^- + \text{Co}(\text{NH}_3)_5\text{Cl}^{2+} \longrightarrow$		$6.4 \times 10^{10}$	Average of 3 values.	
			5-6	$7.8 \times 10^{10}$	p.r.; D.k. at 575 nm, counterion $\text{ClO}_4^-$ .	690428
			7.3	$6.1 \times 10^{10}$	p.r.; D.k.; counterion $\text{ClO}_4^-$ ; $I = 4 \times 10^{-5}$ .	680295