

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
106	Pentaamminecyanocobalt(III) Ion	$\text{e}_{\text{aq}}^- + \text{Co}(\text{NH}_3)_5\text{CN}^{2+} \longrightarrow$		$6.9 \times 10^{10}$	Average of 2 values.	
			5-6	$7.4 \times 10^{10}$	p.r.; D.k. at 575 nm, counterion $\text{ClO}_4^-$ .	690428
			6.1	$6.3 \times 10^{10}$	p.r.; D.k.; counterion $\text{ClO}_4^-$ ; $I = 4 \times 10^{-2}$ .	680295