

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
94	Pentaamminbromocobalt(III) ion	$\text{e}_{\text{aq}}^- + \text{Co}(\text{NH}_3)_5\text{Br}^{2+} \longrightarrow$		7.1×10^{10}	Average of 2 values.	
			5-6	8.0×10^{10}	p.r.; D.k. at 575 nm, counterion ClO_4^- .	690428
			7.7	6.2×10^{10}	p.r.; D.k.; counterion ClO_4^- ; $I = 4 \times 10^{-5}$.	680295