

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
81	Hexaamminecobalt(III) Ion	$\text{e}_{\text{aq}}^- + \text{Co}(\text{NH}_3)_6^{3+}$		8.7×10^{10}	Average of 5 values.	690186
			~ 7	8.8×10^{10}	p.r.; D.k. at 690 nm, counterion Cl ⁻ ; soln. contains < 10 ⁻³ mol L ⁻¹ H ₂ .	690428
			5-6	8.5×10^{10}	p.r.; D.k. at 575 nm, counterion ClO ₄ ⁻ .	680295
				6.7	8.2×10^{10}	p.r.; D.k.; count
				11.1	9.0×10^{10}	p.r.; D.k.; count
					9.0×10^{10}	p.r.; D.k.; count