

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
84	Tris(ethylenediamine)cobalt(III) ion	$\text{e}_{\text{aq}}^- + \text{Co}(\text{en})_3^{3+} \longrightarrow$		$8.0 \times 10^{10}$	Average of 3 values.	
			5-6	$8.5 \times 10^{10}$	p.r.; D.k. at 575 nm, counterion Cl <sup>-</sup> ; pK of ligand 6.8, 9.9.	690428
			6.55	$7.3 \times 10^{10}$	p.r.; D.k.; counterion Cl <sup>-</sup> .	650018
				$8.2 \times 10^{10}$	p.r.; D.k.; counterion ClO <sub>4</sub> <sup>-</sup> .	650044