

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
93	Pentaammine(imidazole)cobalt(III) ion	$\text{e}_{\text{aq}}^- + (\text{NH}_3)_5\text{CoImH}^{3+} \longrightarrow (\text{NH}_3)_5\text{CoImH}^{2+}$		$6.8 \times 10^{10}$	p.r.; D.k. at 580 in N <sub>2</sub> -purged soln. contg. 0.1 mol L <sup>-1</sup> <i>tert</i> -BuOH.	83A270