

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
389	Pentaammine(aqua)rhodium(III) ion	$\text{e}_{\text{aq}}^- + \text{Rh}(\text{NH}_3)_5\text{H}_2\text{O}^{3+} \longrightarrow$	5.8	$7.9 \times 10^{10}$	p.r.; D.k. at 700 nm in soln. contg. <i>tert</i> -BuOH; counterion $\text{ClO}_4^-$ .	751128