

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
136	Decakis(cyano)-\{\}mu-superoxidodicobaltate(III) Ion	$\text{e}_{\text{aq}}^- + \text{O}_2[\text{Co}(\text{CN})_5]_2^{5-} \longrightarrow \text{O}_2[\text{Co}(\text{CN})_5]_2^{6-}$		$2.9 \times 10^{10}$	Average of 2 values.	
			~ 5.0	$2.9 \times 10^{10}$	p.r.; D.k.; counterion K <sup>+</sup> .	81A009
			7.0	$2.9 \times 10^{10}$	p.r.; D.k.; counterion K <sup>+</sup> ; $I = 10^{-4}$ .	680295