

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
166	Copper(II) Ion	$\text{e}_{\text{aq}}^- + \text{Cu}^{2+} \longrightarrow \text{Cu}^+$		3.8×10^{10}	Average of 5 values.	
			~ 7	3.1×10^{10}	p.r.; D.k. at 650 nm in soln. contg. 0.1 mol L ⁻¹ tert-BuOH.	76A256
				3.0×10^{10}	p.r.; D.k.	731004
			3.4 – 4	4.5×10^{10}	p.r.; D.k. at 550 nm, soln. contg. 10 ⁻³ mol L ⁻¹ EtOH; counterion ClO ₄ ⁻ or SO ₄ ²⁻ ; <i>k</i> cor. for I.	700242
				2.9×10^{10}	p.r.; D.k.	650044
			6.8	3.0×10^{10}	p.r.; D.k.; counterion ClO ₄ ⁻	650047