

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1207	2-Methyl-1,4-naphthoquinone	$\text{e}_{\text{aq}}^- + 2\text{-CH}_3\text{-NQ} \longrightarrow 2\text{-CH}_3\text{-NQ}^-$	4.5	4.5×10^{10}	Average of 3 values.	86N187
			7	3.1×10^{10}	p.r.; D.k. at 700 nm in phosphate buffer (0.002 mol L ⁻¹ KH ₂ PO ₄ + 0.003 mol L ⁻¹ Na ₂ HPO ₄) contg. 0.2 mol L ⁻¹ z-PrOH and varied quinone concn.; $k = 6.5 \times 10^9$ in SDS micelles.	
			~ 7	5.0×10^{10}	p.r.; D.k. at 650 nm in soln. contg. 0.1 mol L ⁻¹ tert-BuOH.	76A256
				5.4×10^{10}	p.r.; No details given.	723057