

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
332	Hydrogen peroxide	$\text{e}_{\text{aq}}^- + \text{H}_2\text{O}_2 \longrightarrow \text{OH}^- + \bullet\text{OH}$	7	1.1×10^{10}	Average of 3 values.	81A374
				9.5×10^9	p.r.; D.k. at 650 nm in deaerated soln. contg. 0.5 mol L ⁻¹ tert-BuOH.	
				1.2×10^{10}	p.r.; D.k. at 600 nm.	
				1.2×10^{10}	p.r.; D.k. at 578 nm, with and without 10 ⁻³ mol L ⁻¹ MeOH.	