

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
3.1	Hydroxyl	$\cdot\text{OH} + \cdot\text{OH} \longrightarrow \text{H}_2\text{O}_2$		5.5×10^9	Selected value	
			7	5.2×10^9	p.r.; D.k. 200-250 nm; $\epsilon = 450 - 530 \text{ L mol}^{-1}\text{cm}^{-1}$; cor. for $\cdot\text{H}$ and OH^- .	690083
			~ 7	6.2×10^9	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{Fe}(\text{CN})_6^{4-})$.	660424
			3.7	5.2×10^9	p.r.; D.k. at 260 nm, $\epsilon = 370 \text{ L mol}^{-1}\text{cm}^{-1}$.	650010