

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
7	Cerium(III) Ion	$\text{O}^{\bullet-} + \text{Ce}^{3+} \longrightarrow \text{OH}^- + \text{Ce}^{4+}$	2.6, 2.9	7.2×10^8	p.r.; C.k.; assuming $k'(\text{O}^{\bullet-} + \text{H}_2\text{O}) = 1 \times 10^8 \text{ s}^{-1}$; rel. to $k'(\text{O}^{\bullet-} + \text{EtOH})$.	710137