

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
17	Dioxoamericium(VI) Ion	$\text{e}_{\text{aq}}^- + \text{AmO}_2^{2+} \longrightarrow \text{AmO}_2^+$	6.0	3.9×10^{10}	p.r.; D.k. at 650 nm in He-satd. soln. conc. 0.1 mol L ⁻¹ <i>tert</i> -BuOH and 0.11 mol L ⁻¹ LiClO ₄ ; at pH 5.3 $k = 3.1 \times 10^{10}$; $I = 0.11$.	78A044