

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
16	Dioxoamericium(V) Ion	e _{aq} ⁻ + AmO ₂ ⁺ → Am(IV)	6.0	3.2 × 10 ¹⁰	p.r.; D.k. at 650 nm in He-satd. soln. contg. 0.1 mol L ⁻¹ tert-BuOH and 0.11 mol L ⁻¹ LiClO ₄ ; at pH 5.2 <i>k</i> = 2.8 × 10 ¹⁰ ; <i>I</i> = 0.11.	78A044