

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
188	Europium(III) Ion	$\text{e}_{\text{aq}}^- + \text{Eu}^{3+} \longrightarrow$	6	$6.5 \times 10^{10}$	p.r.; D.k.; counterion $\text{ClO}_4^-$	76A248
			$\sim 6$	$6.1 \times 10^{10}$	p.r.; D.k. in Ar-satd. soln. contg. $10^{-2}$ mol L <sup>-1</sup> MeOH and $4 \times 10^{-5}$ mol L <sup>-1</sup> $\text{Eu}_2(\text{SO}_4)_3$ ; $k$ cor. for I.	720065
			5.55	$6.1 \times 10^{10}$	p.r.; D.k.; counterion $\text{SO}_4^{2-}$	640046