

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
432	Samarium(III) Ion	$\text{e}_{\text{aq}}^- + \text{Sm}^{3+} \longrightarrow \text{Sm}^{2+}$	6.0	$2.0 \times 10^{10}$	p.r.; D.k.; perchlorate salt.	76A248
			5.6	$2.2 \times 10^{10}$	p.r.; D.k.; $k$ also detd. at 6.4 kbar ( $6.4 \times 10^8$ N/m <sup>2</sup> ); counterion $\text{SO}_4^{2-}$ .	720102
			~6	$2.7 \times 10^{10}$	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> $\text{Sm}_2(\text{SO}_4)_3$ ; $k$ cor. for $I$ .	720065
			5.96	$2.5 \times 10^{10}$	p.r.; D.k.; counterion $\text{SO}_4^{2-}$ .	640046