

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
474	Ytterbium(III) ions	$\text{e}_{\text{aq}}^- + \text{Yb}^{3+} \longrightarrow \text{Yb}^{2+}$	6.0	$4.3 \times 10^{10}$	p.r.; D.k. (2.19-22.6 $\times 10^{-5}$ mol L <sup>-1</sup> perchlorate salt).	76A248
			~6		$4.7 \times 10^{10}$	p.r.; D.k. in Ar-
			—		$3.7 \times 10^{10}$	p.r.; D.k.; count
			6.03		$4.3 \times 10^{10}$	p.r.; D.k. ( $3.3 \times$