

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
455	Thulium(III) Ion	$\text{e}_{\text{aq}}^- + \text{Tm}^{3+} \longrightarrow \text{Tm}^{2+}$	6.0	$3.3 \times 10^8$	p.r.; D.k.; perchlorate counterion.	76A248