

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
160	Thallium(III) Ion	$\text{H}^\bullet + \text{Tl}^{3+} \longrightarrow \text{H}^+ + \text{Tl}^{2+}$		$3.9 \times 10^7$	p.r.; P.b.k. at 270 nm in soln. contg. 1 mol L <sup>-1</sup> HClO <sub>4</sub> and 10:1 Tl <sup>3+</sup> :Tl <sup>+</sup> .	741017