

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
496	Propionate Ion	$\text{H}^\cdot + \text{CH}_3\text{CH}_2\text{CO}_2^- \longrightarrow \text{H}_2 + \text{CH}_3\text{CHCO}_2^-$		$1.4 \times 10^7$	Average of 2 values.	
			7		$1.7 \times 10^7$	<i>e-r.</i> ; <i>esr</i> ; <i>Decay</i>
			7		$1.2 \times 10^7$	$\gamma$ -r.; C.k.; rel. to