

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
271	Chloroacetate Ion	$\text{H} \cdot + \text{ClCH}_2\text{CO}_2^- \longrightarrow \text{H}_2 + \cdot$ CHClCO_2^-		3.6×10^6	Average of 2 values.	
			~ 7	2.4×10^6	γ -r.; C.k.; rel. to $k(\text{H} \cdot + \text{DCO}_2^-)$.	640095
			3 – 8, 12.7	4.8×10^6	e.d.; C.k.; 8% Cl abstr.; rel. to $k(\text{H} \cdot + \text{OH}^-)$.	629011