

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
79	Hydroxoiron(III) Ion	$\text{H}^\bullet + \text{FeOH}^{2+} \longrightarrow \text{H}^+ + \text{Fe}^{2+}$		1.2×10^9	Average of 2 values.	
				$\sim 1 - 2$	1.2×10^9	γ -r.; C.k. in HC
			0.3		1.2×10^9	e.d.; C.k. in HC