

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
81	Chloroiron(III) Ion	$\text{H}^\bullet + \text{FeCl}^{2+} \longrightarrow \text{H}^+ + \text{Fe}^{2+} + \text{Cl}^-$	0.8	7×10^9 0.8	b; e.d.; C.k. in HCl; rel. to $k(\text{H}^\bullet + \text{Fe}^{3+})$. 4.8×10^9	660345 b; γ -r.; C.k. in I