

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
80	Sulfatoiron(III) Ion	$\text{H} \cdot + \text{FeSO}_4^+ \longrightarrow \text{H}^+ + \text{Fe}^{2+}$	0.3	7.5×10^6	e.d.; C.k. in H ₂ SO ₄ ; rel. to $k(\text{H} \cdot + \text{Fe}^{2+})$.	660345