

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
123	Phosphorous acid	$\text{H}^\cdot + \text{H}_3\text{PO}_3 \longrightarrow \text{H}_2 + \text{H}_2\text{PO}_3^\cdot$	~ 0.8	$\sim 5.3 \times 10^8$	-r.; C.k.; obs. $G(\text{H}_2)$ in 0.4 mol L ⁻¹ HClO ₄ ; rel. to $k(\text{H}^\cdot + \text{O}_2)$.	83A359