

| No. | Compound name | Reaction equation | pH | Rate constant (L mol ⁻¹ s ⁻¹) | Comments | Reference |
|-----|-----------------|---|-----|---|--|-----------|
| 342 | Phosphoric acid | $\text{e}_{\text{aq}}^- + \text{H}_3\text{PO}_4 \longrightarrow \text{H} \cdot + \text{H}_2\text{PO}_4^-$ | < 4 | $\sim 1 \times 10^9$ | p.r.; D.k. at 550 nm in soln. contg. 0.01 mol L ⁻¹ <i>tert</i> -BuOH and 1 mol L ⁻¹ phosphate; <i>k</i> estd. from pH dependence taking $pK(\text{H}_3\text{PO}_4) \sim 1.7$ | 86A364 |