

| No. | Compound name | Reaction equation | pH | Rate constant (L mol ⁻¹ s ⁻¹) | Comments | Reference |
|-----|---------------|---|-----------|---|--|-----------|
| 416 | Bisulfide ion | $\text{e}_{\text{aq}}^- + \text{HS}^- \longrightarrow \text{H}^\bullet + \text{S}^{2-}$ | 10.9-12.7 | 3.0×10^7 | p.r.; D.k. at 578 nm in soln. contg. (1-3) $\times 10^{-2}$ mol L ⁻¹ H ₂ S, pH adjusted by NaOH. | 731012 |