

| No. | Compound name                           | Reaction equation   | pH  | Rate constant<br>(L mol <sup>-1</sup> s <sup>-1</sup> ) | Comments   | Reference |
|-----|---|---|-----|---|--|-----------|
| 44  | Tris(ethylenediamine)cobalt(III)<br>Ion | $\cdot\text{OH} + \text{Co(en)}_3^{3+} \longrightarrow \text{H ostr} \cdot$ | 4.4 | $3.0 \times 10^8$                                       | p.r.; C.k. in Ar-satd. soln.; pH effect studied; rel. to<br>$k(\cdot\text{OH} + \text{SCN}^-)$ | 79A003    |