

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
35	Tetraamminedifluorocobalt(III) Ion	$\text{H} \cdot + \text{Co}(\text{NH}_3)_4\text{F}_2^+ \longrightarrow$	3.5	$6.1 \times 10^6$	e.d.; Detd. from dose rate of H atoms and amount of redn. product.	730517