

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
21	Tetraamminediaquacobalt(III) ion	H· + Co(NH <sub>3</sub> ) <sub>4</sub> <sup>3+</sup> →	3.5	4.7 × 10 <sup>6</sup>	e.d.; Detd. from dose rate of H atoms and amount of redn. product.	730617