

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
49	Pentaammine(dichloroacetato- O)cobalt(III) ion	$\text{H}^\bullet + \text{Co}(\text{NH}_3)_5\text{O}_2\text{CCHCl}_2^{2+} \longrightarrow$		$6.0 \times 10^6$	e.d.; Detd. from dose rate of H atoms and amount of redn. product.	730512