

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
46	Pentaammine(formato)cobalt(III) Ion	$\text{H}^\bullet + \text{Co}(\text{NH}_3)_5\text{O}_2\text{C}^{2+} \longrightarrow [\text{Co}(\text{NH}_3)_5\text{O}_2\text{C}]^{2+} + \text{H}_2$	3.5	1.5×10^7	e.d.; Detd. from dose rate of H atoms and amount of redn. product.	730512