

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
80	3,10,17,24- Tetrasulfonphthalocyaninecobaltate(II) Ion dimer	$e_{aq}^- + [Co(pts)]_2^{8-} \longrightarrow Co(tsp)_{5-}$		3.2×10^9	Average of 2 values.	
			9	3.0×10^9	p.r.; D.k. at 570 nm in soln. contg. <i>tert</i> -BuOH; cor. for radical reaction.	80A146
			9	3.3×10^9	p.r.; P.b.k. at 460 nm; cor. for OH reaction; soln. N ₂ -satd.	80A146