

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1	Silver(I) Ion	$\text{e}_{\text{aq}}^- + \text{Ag}^+ \longrightarrow \text{Ag}^0$		3.7×10^{10}	Average of 5 values.	
				3.6×10^{10}	p.r.; D.k. at 640 nm; counterion SO_4^{2-} .	83R031
				4.5×10^{10}	p.r.; D.k. at 600 nm; concn. dependent; counterion ClO_4^- ; k cor. for I.	76A251
			7	3.5×10^{10}	p.r.; D.k. at 720 nm as well as p.b.k. at 360 nm (Ag^0), counterion SO_4^{2-} .	680431
			7	3.2×10^{10}	p.r.; P.b.k. at 310 nm, as well as d.k. at 545 nm.	650393
			7	3.6×10^{10}	p.r.; D.k. at 578 nm.	630073