

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments
491	Acetaldehyde	$\text{e}_{\text{aq}}^- + \text{CH}_3\text{CHO} \longrightarrow$		$4.9 \times 10^9$	Average of 2 values.
			$4.4 \times 10^9$	p.r.; D.k. at 600 nm.	84A459
			$5.4 \times 10^9$	p.r.; D.k. at 578 nm; cor. for the hydrated form, $k_{\text{obs}} = 3.5 \times 10^9$ .	630073