

Table S3. Synergistic effects of UV and different concentrations of ClO₂ treatment alone and in combination on the inactivation of chironomid larvae

Inactivation Method	Inactivation Count at 8 h (log)	S _n	k _{max} (h ⁻¹)	R ²	S _k
UV alone	0.10	-	0.012	0.996	-
1 mg/L ClO ₂	0.12	0.836<1	0.008	0.838	1.480>1
UV-1 mg/L ClO ₂	0.18		0.029	0.946	
3 mg/L ClO ₂	0.20	1.671>1	0.039	0.982	1.493>1
UV-3 mg/L ClO ₂	0.49		0.077	0.976	
5 mg/L ClO ₂	0.47	1.698>1	0.098	0.990	1.506>1
UV-5 mg/L ClO ₂	1.00		0.165	0.984	
7 mg/L ClO ₂	0.71	1.483>1	0.123	0.993	1.573>1
UV-7 mg/L ClO ₂	1.20		0.213	0.986	