

Efficiency of chlorine dioxide on different types of micro organisms

micro organism	mg/l (ppm) chlorine dioxide	contact time	deactivation in %
Staphylococcus aureus	1	60 sec.	99,999
Escherichia Coli	0,15	300 sec.	99,9
Escherichia Coli	0,25	60 sec.	> 99,999
Streptococcus faecalis	1	15 sec.	> 99,999
Lactobacillus brevis	0,15	300 sec.	99,9
Lactobacillus brevis	1	300 sec.	> 99,999
Pseudomonas aeruginosa	1	60 sec.	> 99,999
Saccharomyces diastaticus	0,15	10 min.	99,9
Saccharomyces diastaticus	1	1 min.	> 99,999
Saccharomyces cerevisae (yeast)	0,5	10 min.	> 99,999
Saccharomyces cerevisae (yeast)	1	1 min.	> 99,999
Penicillium expansum (mould)	0,5	60 min.	99,99
Penicillium expansum (mould)	2	20 min.	99,999

This table clearly shows the efficiency of chlorine dioxide on different types of micro organisms for low concentrations and short contact times.