

Chlorine dioxide properties

- Disinfectant Concentrations Tested Resulting in a 99.999% Reduction in Viable Cell Counts After a 60-Second Exposure

	Test Organism		
	<i>P. aeruginosa</i>	<i>S. aureus</i>	<i>Sac. cerevisiae</i>
Chlorine Compound I (sodium hypochlorite)	1,000	1,000	1,000
Chlorine Compound II (sodium hypochlorite)	820	820	1,600
Chlorine Compound III (stabilized chlorine dioxide) ¹	310	1,200	640
Chlorine Compound IV (stabilized chlorine dioxide) ²	48	93	95
Iodophur	440	440	450
Peroxide	36,000	68,000	270,000
Glutaraldehyde-phenol	2,300	1,200	620
Acid glutaraldehyde	6,600	2,200	18,000
Quat	580	140	74
Acidified Quat	150	1,200	300
Phenolic	1,500	380	190
<i>Journal of Industrial Microbiology, R.S. Tanner, 4(1989), 145-154</i>			
Results of Other Studies	<i>P. aeruginosa</i>	<i>S. aureus</i>	<i>Sac. cerevisiae</i>
Peracetic Acid ³	300	400	800
Selective Micro Clean⁴	5	5	

¹Lactic acid activation ²Citric acid activation ³Reported by: Vernagene Limited, UK

⁴Testing performed by Microbiotest, Inc., Sterling, Virginia