

Comparative Microbicidal Activity of PRO-SAN[®] and Hypochlorite (Chlorine Bleach)

Test Bacteria/ ATCC (American Type Culture Collection Number)	Lethal Activity After 30 and 60 seconds Surviving # / 10 – 100 x 10⁶ Challenge			
	PRO-SAN[®]		Bleach 50 ppm	
	Contact seconds		Contact seconds	
	30	60	30	60
<i>Aeromonas hydrophila</i> ATCC 7965	0, 0	0, 0	0, 0	0, 0
<i>Escherichia coli</i> O157:H7	0, 0	0, 0	0, 0	0, 0
<i>Listeria monocytogenes</i> ATCC 7644	3, 4	0, 0	T, T	T, T
<i>Pseudomonas aeruginosa</i> ATCC 10145	4, 0	0, 0	158, 165	105, 121
<i>Salmonella typhimurium</i> ATCC 7823	0, 0	0, 0	T, T	T, T
<i>Staphylococcus aureus</i> ATCC 6538	0, 0	0, 0	0, 0	0, 0
<i>Shigella sonnei</i> ATCC 9290	0, 0	0, 0	1, 0	0, 0
<i>Vibrio cholerae</i> ATCC 9458	1, 0	0, 0	T, T	T, T
<i>Yersinia enterocolitica</i> ATCC 23715	0, 0	0, 0	T, T	191, 186

Tested using the in-vitro suspension test (essentially by the A.O.A.C. Germicidal and Detergent Sanitizer Test as modified by Lopes, 1986 (J. Dairy Science, 69:2791-96). CHLOROX[®] was used as the source of available Cl₂ (hypochlorite). T = Too Numerous To Count (Fail). The test interprets lethal activity greater than 99.999% as PASS White and less than 99.999% as FAIL RED

© 1996-2006 Microcide, Inc.