LIFE CLEAN

TEST SUMMARY FOOD

Disinfection of	Test method (Standards)	Contact time	Approved Log	Study conclusion	Test Institute
Spores					
Bacillus subtilis ATCC 6633	Quantitative surface test EN 13697:2001 (Phase 2, Step 2)	2 min	4 $\log_{10}$	Sporicidal effect Clean condition	Third party, Dr. Brill Partner GMBH Laboratory, Germany
Viruses					
Murine Norovirus strain S99	EN 14476:2013	1 min	5 $\log_{10}$	Virucidal effect Clean condition	Third party, Dr. Brill Partner GMBH Laboratory, Germany
Fungicidal					
Candida albicans ATCC 10231	Suspension test EN 13624:2013 (Phase 2, Step 1)	1 min	4 $\log_{10}$	Yeasticidal / Fungicidal effect Clean condition	Third party, Dr. Brill Partner GMBH Laboratory, Germany
Aspergillus brasiliensis ATCC 16404	Suspension test EN 13624:2013 (Phase 2, Step 1)	1 min	4 $\log_{10}$	Yeasticidal / Fungicidal effect Clean condition	Third party, Dr. Brill Partner GMBH Laboratory, Germany
Candida albicans ATCC 10231	Carrier test EN 14562:2006 (Phase 2, Step 2)	1 min	4 $\log_{10}$	Yeasticidal effect Clean condition	Third party, Dr. Brill Partner GMBH Laboratory, Germany
Aspergillus brasiliensis (niger) / black mold ATCC 16404	Carrier test EN 14562:2006 (Phase 1, Step 2)	2-5 min	4 $\log_{10}$	Fungicidal effect Clean / Dirty condition	Third party, Dr. Brill Partner GMBH Laboratory, Germany and MikroLab, Sweden

Disinfection of	Test method (Standards)	Contact time	Approved Log	Study conclusion	Test Institute
Gram-Negative Bacteria					
Pseudomonas aeruginosa ATCC 15442	Suspension test EN 13727:2014 (Phase 2, Step 1)	1 min	5 $\log_{10}$	Bactericidal effect Clean condition	Third party, Dr. Brill + Dr. Steinmann, Germany
Pseudomonas aeruginosa ATCC 15442	Suspension test EN 13727:2015 (Phase 2, Step 2)	2 min	5 $\log_{10}$	Bactericidal effect Dirty condition	Third party, Food Safety Laboratory, Chung-Ang University, Seoul, South Korea
Campylobacter jejuni ATCC 33560	Quantitative suspension test EN 13727:2002 (Phase 2, Step 1)	2 min	7 $\log_{10}$	Bactericidal effect Clean condition	Internal, Örebro University Hospital, Sweden
Salmonella typhimurium ATCC 14028	Quantitative suspension test EN 13727 (Phase 2, Step 1)	2 min / 5 min	8 $\log_{10}$	Bactericidal effect* Clean / Dirty condition	Internal, Örebro University Hospital, Sweden
Gram-Positive Bacteria					
Staphylococcus aureus ATCC 6538	Suspension test EN 13727:2014 (Phase 2, Step 1)	1 min	5 $\log_{10}$	Bactericidal effect Clean condition	Third party, Dr. Brill + Dr. Steinmann, Germany
Staphylococcus aureus ATCC 6538	Suspension test EN 13727:2015 (Phase 2, Step 2)	2 min	5 $\log_{10}$	Bactericidal effect Dirty condition	Third party, Food Safety Laboratory, Chung-Ang University, Seoul, South Korea
Listeria monocytogenes CCUG 51681	Quantitative suspension test EN 13727 (Phase 2, Step 1)	2 min	9 $\log_{10}$	Bactericidal effect Clean condition	Internal, Örebro University Hospital, Sweden

Disinfection of	Test method (Standards)	Contact time	Approved Log	Study conclusion	Test Institute
Carnobacterium piscicola ATCC 3586	Quantitative suspension test EN 14349:2012 (Phase 2, Step 2)	2 min / 5 min	8 $\log_{10}$ / 5 $\log_{10}$	Bactericidal effect* Clean / Dirty condition	Internal, Örebro University Hospital, Sweden

** Bactericidal effect (Clean condition for 2 minutes and Dirty condition for 5 minutes)*

Third party test partners to LifeClean International AB are: