

Disinfection of	Test method (Standards)	Contact time	Approved Log	Study conclusion	Test Institute
-----------------	----------------------------	-----------------	-----------------	------------------	----------------

Spores

<i>Bacillus subtilis</i> 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

IPN 107TCID50 Salmonid fish viral infection	Quantitative suspension test EN 14675:2015 (Phase 2, Step 1)	5 min	4 log ₁₀	Virucidal effect Clean/ Dirty condition	Third party, Norwegian Veterinary Institute, Norway
--	---	-------	---------------------	--	---

Gram-Negative Bacteria

<i>Pseudomonas aeruginosa</i> ATCC 15442	Suspension test EN 13727:2014 (Phase 2, Step 1)	1 min	5 log ₁₀	Bactericidal effect Clean condition	Third party, Dr. Brill + Partner GMBH Laboratory, Germany
<i>Pseudomonas aeruginosa</i> 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
<i>Aeromonas salmonicida</i> ATCC 14174	Quantitative suspension test EN 14349:2012 (Phase 2, Step 2)	2 min / 5 min	9 log ₁₀ / 6 log ₁₀	Bactericidal effect* Clean / Dirty condition	Internal, Örebro University Hospital, Sweden
<i>Yersinia ruckeri</i> ATCC 29473	Quantitative suspension test EN 14349:2012 (Phase 2, Step 2)	2 min / 5 min	9 log ₁₀ / 5 log ₁₀	Bactericidal effect* Clean / Dirty condition	Internal, Örebro University Hospital, Sweden

Disinfection of	Test method (Standards)	Contact time	Approved Log	Study conclusion	Test Institute
-----------------	----------------------------	-----------------	-----------------	------------------	----------------

Gram-Positive Bacteria

<i>Staphylococcus aureus</i> ATCC 6538	Suspension test EN 13727:2014 (Phase 2, Step 1)	1 min	5 log ₁₀	Bactericidal effect Clean condition	Third party, Dr. Brill + Partner GMBH Laboratory, Germany
<i>Staphylococcus aureus</i> 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
<i>Streptococcus equi</i> CCUG 37782	Quantitative suspension test EN 13727 (Phase 2, Step 1)	2 min / 5 min	9 log ₁₀ / 4 log ₁₀	Bactericidal effect* Clean / Dirty condition	Internal, Örebro University Hospital, Sweden
<i>Carnobacterium piscicola</i> 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

Parasites

Coccidia spp	In vitro sporulation method for Coccidia	N/A	N/A	Parasital effect Dirty condition	Third party, VidiLab, Sweden
---------------------	---	-----	-----	-------------------------------------	------------------------------------

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

Third party test partners to LifeClean International AB are:



STATENS
SERUM
INSTITUT



Region Örebro län

Universitetssjukhuset Örebro



Vidilab



Veterinærinstituttet
Norwegian Veterinary Institute