

EN TEST SKEMA – SKIMMEL

Test Norm	Test Type	Organism	Log reduction required	Log reduction achieved	Laboratory	Clean or dirty	% reduction pr. cont. Time	Contact time
EN 1276	Quantitative Suspension Test	Bacillus cereus NCTC 2599	>Log 5	>5,9 log 10	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Clostridium difficile NCIMB 10666	>Log 5	> 6,2 Log 10	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Clostridium Perfringens spores NCTC 8237	>Log 5	Between >5,7 - 6,5 log 10	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min
EN 13704	Quantitative Suspension Test (phase 2, step 1)	Clostridium difficile NCTC 11209	> 3 Log 10		BluScientific Test Data	Clean		1 min 2 min 5 min
EN 13704		Bacillus subtilis endospores NCIMB 8054	> 3 Log 10	>Log 5	BluScientific Test Data	Clean		5 min
EN 14347	Basic Sporicidal Activity (phase 1 step 1)	Bacillus cereus NCTC 2599	>Log 4	> 5,5 log 10	Bodycote	Clean	99,999%	1 min 2 min 5 min 10 min 15 min
EN 14347	Basic Sporicidal Activity (phase 1 step 1)	Clostridium difficile NCIMB 10666	>Log 4	> 6,1 log 10	Bodycote	Clean	99,999%	1 min 2 min 5 min 10 min 15 min
EN 14347	Basic Sporicidal Activity (phase 1 step 1)	Clostridium Perfringens spores NCTC 8237	>Log 4	> 5,5 log 10	Bodycote	Clean	99,999%	1 min 2 min 5 min 10 min 15 min
EN 1276	Quantitative Suspension Test (phase 2, step 1)	Klebsiella pneumoniae NCIMB 13281 Acinetobacter baumannii NCIMB 14421	>Log 5	Klebsiella: >5,34 Log Acinetobacter: >5,27 Log	Abbott Analytical	Dirty		1 min
EN 1276	Quantitative Suspension Test (phase 2, step 1)	Klebsiella pneumoniae NCIMB 13281 Acinetobacter baumannii NCIMB 14421	>Log 5	Klebsiella: >5,34 Log Acinetobacter: >5,27 Log	Abbott Analytical	Dirty		5 min
EN 1276	Quantitative Suspension Test	Acinetobacter calcoaceticus NCIMB 10694	>Log 5	>Log 7	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Bacillus cereus NCTC 10320	>Log 5	>Log 7,2	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Bacillus stearothermophilus NCIMB 10278	>Log 5	>Log 7,3	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Campylobacter Jejuni NCTC 11392	>Log 5	>Log 5,3	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min

EN 1276	Quantitative Suspension Test	Clostridium difficile NCIMB 10666	>Log 5	>Log 5,6	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Clostridium Perfringens NCTC 8237	>Log 5	>Log 5,8	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Enterobacter sakazakii NCTC 11467	>Log 5	>Log 7,6	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Enterococcus faecalis Vancomycin Resistant (VRE)1 NCTC 12201	>Log 5	>Log 7,3	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Escherichia coli 0157 NCTC 12900	>Log 5	>Log 8,6	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min 10 min 15 min
EN 1276	Quantitative Suspension Test	Escherichia coli ESBL NCTC 13351	>Log 5	>Log 7,3	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Escherichia coli ESBL NCTC 13352	>Log 5	>Log 7,4	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test (phase 2, step 1)	Escherichia coli NCTC 10418 Enterococcus hirae NCTC 12367 Methicillin resistant (MRSA) NCTC 12493 Pseudomonas aeruginosa NCTC 6749 Staphylococcus aureus NCTC 10788	>Log 6	Escherichia coli: >Log 6 Enterococcus hirae: >Log 6,6 Methicillin resistant: >Log 6,04 Pseudomonas aeruginosa: >Log 6,3 Staphylococcus aureus: >Log 6,2	Hospital infection Research Laboratory	Clean & dirty	99,999%	1 min 2 min 5 min
EN 1276		Escherichia coli ATCC 10536 Enterococcus hirae ATCC 8043 Pseudomonas aeruginosa ATCC 15442 Staphylococcus aureus ATCC 6538	>Log 5		BluScientific Test Data	Clean & dirty		1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Escherichia coli1 NCTC 10537	>Log 5	>Log 6,2	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Legionella pneumophila (Sero Group 1) NCTC 11192	>Log 5	>Log 5,64	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Listeria monocytogenes NCTC 11994	>Log 5	>Log 6,1	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min
EN 1276		LOW CONCENTRATION S CLEAN Escherichia coli ATCC 10536 Enterococcus hirae ATCC 8043 Pseudomonas aeruginosa ATCC 15442,	>Log 5		BluScientific Test Data	Clean		15 min 30 min

		Staphylococcus aureus ATCC 6538						
EN 1276	Quantitative Suspension Test	Methicillin resistant Staphylococcus aureus (MRSA) NCTC 11939	>Log 5 for clean conditions <Log 5 for dirty conditions	Clean 0,5 min: >Log 5,1 Dirty 0,5 min: >Log 4,8 Rest of the times: >Log 8,5	Bodycote	Clean & dirty	99,999%	0,5 min 1 min 1,5 min 2 min
EN 1276	Quantitative Suspension Test	Salmonella typhimurium NCTC 5710	>Log 5	>Log 6,3	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Serratia marsecens NCTC 10036	>Log 5	>Log 7,5	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Shigella sonnei NCTC 9774	>Log 5	>Log 6,6	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Stenotrophomonas maltophilia NCTC 10257	>Log 5	>Log 7,5	Bodycote	Clean & dirty	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Vibrio parahaemolyticus NCTC 10385	>Log 5	>Log 6	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min
EN 1276	Mordified Residual Efficacy Surface test VIRUSOLVE + RESIDUAL EFFICACY TEST A 26.6.08	Pseudomonas aeruginosa ATCC 15442 Eschrichia Coli ATCC 10536 Staphylococcus aureus ATCC 6538 Enterococcus hirae ATCC 10541 MRSA UK15			BluScientific Test Data			5 min 4 hours 8 hours 24 hours 72 hours 7 days
EN 1276	Quantitative Suspension Test	Yersinia enterocolitica1 NCTC 10460	>Log 5	>Log 6,5	Bodycote	Clean & dirty	99,999%	1 min 2 min 5 min
EN 13697	Quantitative non-porous surface test	Enterococcus hirae NCTC 12367	>Log 4 for bacterial organisms >Log 3 for fungal organisms	Clean 5 min: >Log 4,992 Dirty 5 min: >Log 4,531 15 min: N/A	Bodycote	Clean & dirty	Clean 5 min: 99,995% Dirty 5 min: 99,997% Clean 15 min: N/A Dirty 15 min: N/A	5 min 15 min
EN 13697	Quantitative non-porous surface test	Escherichia coli NCTC 10537	>Log 4 for bacterial organisms >Log 3 for fungal organisms	Clean 5 min: >Log 5,108 Dirty 5 min: >Log 4,829 15 min: N/A	Bodycote	Clean & dirty	Clean 5 min: 99,999% Dirty 5 min: 99,999% Clean 15 min: N/A Dirty 15 min: N/A	5 min 15 min
EN 13697	Quantitative non-porous surface test	Pseudomonas aeruginosa NCTC 9027	>Log 4 for bacterial organisms >Log 3 for fungal organisms	Clean 5 min: >Log 4,447 Dirty 5 min: >Log 4,333 15 min: N/A	Bodycote	Clean & dirty	Clean 5 min: 99,996% Dirty 5 min: 99,995% Clean 15 min: N/A Dirty 15 min: N/A	5 min 15 min
EN 13697	Quantitative non-porous surface test	Staphylococcus aureus NCTC 8625	>Log 4 for bacterial organisms >Log 3 for fungal organisms	>Log 5,4	Bodycote	Clean & dirty	99,999%	5 min 15 min

EN 13727	Quantitative Suspension Test (phase 2, step 1)	Enterococcus hirae NCTC 12367 Pseudomonas aeruginosa NCTC 6749 Staphylococcus aureus NCTC 10788	>Log 5	Enterococcus hirae >Log 7,6 Pseudomonas aeruginosa >Log 7,46 Staphylococcus aureus >Log 7,26	Hospital infection Research Laboratory	Clean & dirty	99,999%	1 min 5 min 10 min 60 min
EN 13727	Quantitative Suspension Test (phase 2, step 1)	Proteus vulgaris	>Log 6	>Log 6,22	Abbott Analytical	Dirty		2 min + 10 sek
EN 14561	Quantitative carrier test for the evaluation of bactericidal activity of chemical disinfectants for instruments used in the medical area – Test method and requirements (phase 2, step 2)	Pseudomonas aeruginosa NCIMB 10421 Staphylococcus aureus NCTC 10788 Enterococcus hirae NCIMB 8192	>Log 5	Pseudomonas aeruginosa >Log 5,15 Staphylococcus aureus >Log 5,21 Enterococcus hirae >Log 5,05	Abbott Analytical	Dirty		1 min
EN 14561	Chemical disinfectants and antiseptics - Quantitative carrier test for the evaluation of bactericidal activity of chemical disinfectants for instruments used in the medical area – Test method and requirements (phase 2, step 2)	Pseudomonas aeruginosa NCIMB 10421 Staphylococcus aureus NCTC 10788 Enterococcus hirae NCIMB 8192	>Log 5	Pseudomonas aeruginosa >Log 5,15 Staphylococcus aureus >Log 5,21 Enterococcus hirae >Log 5,05	Abbott Analytical	Dirty		5 min
EN 1275	Quantitative Suspension Test	Microsporium canis NCPF 179	>Log 4	>Log 4,6	Bodycote	Clean & dirty	99,99%	2 min 5 min
EN 1275	Quantitative Suspension Test	Microsporium gypsum NCPF 36	>Log 4	Clean 1 min >Log 5 Dirty 1 min >Log 4,9 Rest of the times clean & dirty: >Log 5,9	Bodycote	Clean & dirty	99,99%	1 min 2 min 5 min
EN 1275	Quantitative Suspension Test	Trichophyton equinum NCPT 312	>Log 4	Clean 1 min >Log 5,6 Dirty 1 min >Log 5,5 Rest of the times clean & dirty: >Log 6,5	Bodycote	Clean & dirty	99,99%	1 min 2 min 5 min
EN 1275	Quantitative Suspension Test	Trichophyton mentographytes NCPT 207	>Log 4	Clean & dirty 1 min >Log 4,7 Rest of the times clean & dirty: >Log 5,7	Bodycote	Clean & dirty	99,99%	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Aspergillus niger NCPF 2022	>Log 5	1 min >Log 6,3 5 min >Log 8,2 15 min >Log 8,2	Bodycote	Clean	99,999%	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Candida albicans NCPF 3089	>Log 5	>Log 7,2	Bodycote	Clean	99,999%	1 min 5 min 15 min
EN 1650	Quantitative Suspension Test	Aspergillus fumigatus			BluScientific Test Data	Clean		1 min 2 min 5 min 15 min
EN 1650	Quantitative Suspension Test	Aspergillus niger ATCC 10231 Candida albicans ATCC 16404			BluScientific Test Data	Clean		1 min 2 min 5 min 10 min

EN 13624	Quantitative suspension test for the evaluation of fungicidal and yeasticidal activity of chemical disinfectants for instruments used in the medical area – Test method and requirements (phase 2, step 1)	Aspergillus niger NCPF 2275 Candida albicans NCPF 3179	>Log 4	Aspergillus niger >Log 4,19 Candida albicans >Log 4,26	Abbott Analytical	Dirty		5 min
EN 13624	Quantitative Suspension Test (phase 2, step 1)	Candida albicans at 0.5% dilution NCPF 3179			Abbott Analytical	Dirty		30 min
EN 13697	Quantitative non-porous surface test	Aspergillus niger (DK) NCTC 17454	>Log 3	Clean: >Log 3,865 Dirty: >Log 4,079	Bodycote	Clean & dirty	Clean: 99,947% Dirty: 99,958%	15 min
EN 13697	Quantitative non-porous surface test	Saccharomyces cerevisiae NCTC 10716	>Log 3	Clean: >Log 4,329 Dirty: >Log 3,828	Bodycote	Clean & dirty	Clean: 99,987% Dirty: 99,985%	15 min
EN 14562	Quantitative carrier test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants for instruments used in the medical area – Test method and requirements (phase 2, step 2)	Aspergillus niger NCPF 2275 Candida albicans NCPF 3179	>Log 4	Aspergillus niger >Log 4,12 Candida albicans >Log 4,21	Abbott Analytical	Dirty		1 min
EN 14562	Quantitative carrier test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants for instruments used in the medical area – Test method and requirements (phase 2, step 2)	Aspergillus niger NCPF 2275 Candida albicans NCPF 3179	>Log 4	Aspergillus niger >Log 4,12 Candida albicans >Log 4,21	Abbott Analytical	Dirty		5 min
EN 14348	Quantitative Suspension Test Mycobactericidal efficacy Tests (phase 2, step 1)	Myco bacteria Virusolve+ (mycobacterium terrae) NCTC 10856	>Log 4		Hospital infection Research Laboratory	Clean & dirty		1 min 5 min 10 min 20 min 30 min 60 min
EN 14348	Quantitative Suspension Test (phase 2, step 1)	Myco-terrae at 0.5% dilution DSM 43227 (mycobacterium terrae)		>Log 4,49	Abbott Analytical	Dirty		30 min
EN 14348	Quantitative Suspension Test (phase 2, step 1)	mycobacterium terrae DSM 43227 mycobacterium Avium DSM 44157		mycobacterium terrae DSM 43227: >Log 6,14 mycobacterium Avium DSM 44157 >Log 6,21	Abbott Analytical	Dirty		5 min
EN 14348	Quantitative suspension test PHASE 2, STEP 1)	Virusolve+ Mycobacterium tuberculosis NCTC 7416	>Log 4		Hospital infection Research Laboratory	Clean & dirty		1 min 5 min 10 min 60 min
EN 14348	Quantitative suspension test PHASE 2, STEP 1)	Virusolve+ Mycobacterium	>Log 4		Hospital infection	Clean & dirty		1 min 5 min

		tuberculosis NCTC 7416			Research Laboratory			10 min 60 min
EN 14348	Quantitative suspension test PHASE 2, STEP 1)	Virusolve+ Mycobacterium tuberculosis	>Log 4		Hospital infection Research Laboratory	Clean & dirty		1 min 5 min 10 min 60 min
EN 14563	Quantitative carrier test for the evaluation of mycobactericidal or tuberculocidal activity of chemical disinfectants for instruments used in the medical area (phase 2, step 2)	Mycobacterium terrae NCTC 10856 Mycobacterium avium CIP 105415	>Log 4	Mycobacterium terrae: >Log 4,57 Mycobacterium avium: >Log 4,69	Abbott Analytical	Dirty		5 min
EN 14563	Quantitative carrier test for the evaluation of mycobactericidal or tuberculocidal activity of chemical disinfectants for instruments used in the medical area (phase 2, step 2)	Mycobacterium terrae NCTC 10856 Mycobacterium avium CIP 105415	>Log 4	Mycobacterium terrae: >Log 4,66 Mycobacterium avium: >Log 5,04	Abbott Analytical	Dirty		10 min
EN 14476		Feline Coronavirus	>Log 4	>Log 5	BluScientific Test Data	Clean		5 min 60 min
EN 14476		Poliovirus-1 (Chat Strain ATCC VR-192) Adenovirus-5 with Glutaraldehyde (ATCC VR- 5)	>Log 4		BluScientific Test Data			5 min 10 min 20 min 60 min
EN 14476		Poliovirus-1 (Chat Strain ATCC VR-192) Adenovirus-5 with Ortho-phthalaldehyde (ATCC VR- 5)	>Log 4		BluScientific Test Data	Clean		5 min 10 min 20 min 60 min
EN 14476		Poliovirus-1 (Chat Strain ATCC VR-192) Adenovirus-5 with Peracetic acid (ATCC VR- 5)	>Log 4		BluScientific Test Data	Clean		5 min 10 min 20 min 60 min
EN 14476		Virusolve+ Poliovirus-1 (Chat Strain ATCC VR-192) Adenovirus-5 (ATCC VR- 5)	>Log 4		BluScientific Test Data	Clean		5 min 10 min 20 min 60 min
EN 14476		Virusolve+ Poliovirus-1 (Chat Strain ATCC VR-192) Adenovirus-5 (ATCC VR- 5)	>Log 4		BluScientific Test Data	Clean		5 min 10 min 20 min 60 min
EN 14476	Quantitative Suspension Test (phase 2, step 1)	Virusolve+ 5% Modified vaccinia Ankara (MVA) (NIBSC Code 04/214)	>Log 4		Amity International	Dirty		1 min + 5 sec
EN 16615	Quantitative test (phase 2, step 2)	(Wipes) Enterococcus hirae ATCC 10541 Candida albicans ATCC 10231			BluTest Laboratories	Clean		5 min

EN 16615	Quantitative test (phase 2, step 2)	Pseudomonas aeruginosa ATCC 15442 Staphylococcus aureus DSM 799 Candida albicans ATCC 10231			BluTest Laboratories	Clean		1 min 5 min
EN 16615	Quantitative test (phase 2, step 2)	Pseudomonas aeruginosa ATCC 15442 Staphylococcus aureus DSM 799			BluTest Laboratories	Clean		1 min 2 min 5 min
EN 13704	Quantitative Suspension Test (phase 2, step 1)	Bacillus subtilis NCTC 10400			Abbott Analytical	Dirty		5 min
EN 13704	Quantitative Suspension Test (phase 2, step 1)	Clostridium difficile NCTC 11209			Abbott Analytical	Dirty		5 min
EN 14348	Quantitative Suspension Test (phase 2, step 1)	Mycobacterium Terrae DSM 43227			Abbott Analytical	Dirty		5 min
Andre Test	Standard Test Method for Efficacy of Antimicrobial Agents Against Viruses in Suspension.	Feline calic virus CRFK cells (Human Norovirus surrogate) (5 min. 2%-5%-10%)	>Log 4	2% Log > 6.42 5% Log > 4.50 10% Log > 4.50	BluScientific Test Data	Clean		5 min
Andre Test	Report on the efficacy of ViruSolve+ against hepatitis B Virus	Hepatitis B virus HBV (1 min. 5%)	-	Tested succussfully against HBV	Micropathology LTD	-		1 min
Andre Test	Report on the efficacy of ViruSolve+ against hepatitis C Virus measured using the destruction of the viral genome as a marker	Hepatitis C virus HCV (1 min. 5%)	-	Result was succesfull in the indirect estimation of its activity against HCV	Micropathology LTD	-		1 min
Andre Test	A study to determine the antiviral activity of a test article against Influenza NIBRG-14 (H5N1) virus & Influenza A / Panama / 2007 / 99 (H3N2) virus.	Influenza A / Panama (H3N2) virus (2-10 min. 0,5%-1%-5%-10%)	➤ Log 0.5	The test was made with results log > 2.0	Retroscreen Virology	-		2 min 10 min
Andre Test	A study to determine the antiviral activity of a test article against Influenza NIBRG-14 (H5N1) virus & Influenza A / Panama / 2007 / 99 (H3N2) virus.	Influenza NIBRG-14 (H5N1) virus (2-10 min. 0,5%-1%-5%-10%)	➤ Log 1.0	The test was made with results log > 3.0	Retroscreen Virology	-		2 min 10 min
Andre Test	Report on the efficacy of Biocide ViruSolve + against Poliovirus	Polio virus Vaccine Surrogate for SRSVs (5-15-30-60 min. 10%)		Results shows that it is effective.	Micropathology LTD	-		5-15-30-60 min