

VirusShield 5% RTU – TEST SKEMA

Test Norm	Test Type	Organisme	Log min.	Log opnået	Laboratorie	Clean or dirty	Blanding testet RTU	Kontakt tid
Svamp / gærsvamp								
EN 1275	Quantitative Suspension Test	Microsporum canis NCPF 179	>Log 4	>Log 4,6	Bodycote - EU	Clean & dirty	5 %	2 min 5 min
EN 1275	Quantitative Suspension Test	Microsporum gypseum NCPF 36	>Log 4	>Log 4,9 >Log 5 >Log 5,9	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 5 min
EN 1275	Quantitative Suspension Test	Trichophyton equinum NCPT 312	>Log 4	>Log 5,6 >Log 5,5 >Log 6,5	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 5 min
EN 1275	Quantitative Suspension Test	Trichophyton mentographytes NCPT 207	>Log 4	>Log 4,7 >Log 5,7	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 5 min
							5 %	
Bakterier								
EN 1276	Quantitative Suspension Test	Bacillus cereus NCTC 10320	>Log 5	>Log 7,2	Bodycote - EU	Clean & dirty	5 %	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Clostridium difficile NCIMB 10666	>Log 5	>Log 5 =>	Bodycote - EU	Clean & dirty	5 %	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test (phase 2, step 1)	Klebsiella pneumoniae NCIMB 13281 Acinetobacter baumannii NCIMB 14421	>Log 5	Klebsiella: >Log 5,34 Acinetobacter >Log 5,27	Abbott Analytical - UK	Dirty	5 %	1 min 5 min
EN 1276	Quantitative Suspension Test	Acinetobacter calcoaceticus NCIMB 10694	>Log 5	>Log 7	Bodycote - EU	Clean & dirty	5 %	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Bacillus stearothermophilus NCIMB 10278	>Log 5	>Log 7,3	Bodycote - EU	Clean & dirty	5 %	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Campylobacter Jejuni NCTC 11392	>Log 5	>Log 5,3	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Enterobacter sakazakii NCTC 11467	>Log 5	>Log 7,6	Bodycote - EU	Clean & dirty	5 %	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 - EU	Clean & dirty	5 %	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Escherichia coli ESBL NCTC 13352	>Log 5	>Log 7,4	Bodycote - EU	Clean & dirty	5 %	1 min 5 min 15 min
EN 1276		Escherichia coli ATCC 10536 Enterococcus hirae ATCC 8043 Pseudomonas aeruginosa ATCC 15442 Staphylococcus aureus ATCC 6538	>Log 5	>Log 5,68	BluScientific Test Data – UK	Clean & dirty	5 %	1 min 2 min 5 min

VirusShield 5% RTU – TEST SKEMA

Test Norm	Test Type	Organisme	Log min.	Log opnået	Laboratorie	Clean or dirty	Blanding testet RTU	Kontakt tid
Bakterier								
EN 1276		LOW CONCENTRATIONS CLEAN Escherichia coli ATCC 10536 Enterococcus hirae ATCC 8043 Pseudomonas aeruginosa ATCC 15442, Staphylococcus aureus ATCC 6538	>Log 5	>Log 5,32	BluScientific Test Data – UK	Clean	2,5 %	1 min 2 min 5 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 – UK	Clean & dirty	5 %	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Escherichia coli NCTC 10537	>Log 5	>Log 6,2	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Legionella pneumophila (Sero Group 1) NCTC 11192	>Log 5	>Log 5,64	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 15 min
EN 1276	Quantitative Suspension Test	Listeria monocytogenes NCTC 11994	>Log 5	>Log 6,1	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 5 min
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 - EU	Clean & dirty	5 %	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 - EU	Clean & dirty	5 %	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Serratia marsescens NCTC 10036	>Log 5	>Log 7,5	Bodycote - EU	Clean & dirty	5 %	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Shigella sonnei NCTC 9774	>Log 5	>Log 6,6	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Stenotrophomonas maltophilia NCTC 10257	>Log 5	>Log 7,5	Bodycote - EU	Clean & dirty	5 %	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Vibrio parahaemolyticus NCTC 10385	>Log 5	>Log 6	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 5 min

VirusShield 5% RTU – TEST SKEMA

Test Norm	Test Type	Organisme	Log min.	Log opnået	Laboratorie	Clean or dirty	Blanding testet RTU	Kontakt tid
Bakterier								
EN 1276	Modified Residual Efficacy Surface test RESIDUAL EFFICACY TEST	Pseudomonas aeruginosa ATCC 15442 Eschrichia Coli ATCC 10536 Staphylococcus aureus ATCC 6538 Enterococcus hirae ATCC 10541 MRSA UK15			BluScientific Test Data - UK		2,5 %	0 hours 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 - EU	Clean & dirty	5 %	1 min 2 min 5 min
Svamp / gærsvamp								
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 - EU	Clean	5 %	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Candida albicans NCPF 3089	>Log 5	>Log 7,2	Bodycote - EU	Clean	5 %	1 min 5 min 15 min
Sporer								
EN 1276	Quantitative Suspension Test	Bacillus cereus spores NCTC 2599	>Log 5	>Log 5,9	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 5 min
EN 1276	Quantitative Suspension Test	Clostridium difficile spores NCIMB 10666	>Log 5	>Log 6,2	Bodycote - EU	Clean & dirty	5 %	1 min 5 min 15 min
EN 1276	Quantitative Suspension Test	Clostridium Perfringens spores NCTC 8237	>Log 5	>Log 5,7 - 6,5	Bodycote - EU	Clean & dirty	5 %	1 min 2 min 5 min
Svamp / gærsvamp								
EN 1650	Quantitative Suspension Test	Aspergillus fumigatus			BluScientific Test Data – UK	Clean	2,5 %	1 min 2 min 5 min 15 min
EN 1650	Quantitative Suspension Test	Aspergillus niger ATCC 10231 Candida albicans ATCC 16404			BluScientific Test Data – UK	Clean	2,5 %	1 min 2 min 5 min 10 min

VirusShield 5% RTU – TEST SKEMA

Test Norm	Test Type	Organisme	Log min.	Log opnået	Laboratorie	Clean or dirty	Blanding testet RTU	Kontakt tid
<i>Svamp / gærsvamp</i>								
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 - UK	Dirty	5 %	5 min
EN 13624	Quantitative Suspension Test (phase 2, step 1)	Candida albicans NCPF 3179			Abbott Analytical – UK	Dirty	0,05 %	30 min
<i>Bakterier</i>								
EN13697: 2015 +A1:2019	Quantitative non-porous surface test (Phase 2, step 2)	Enterococcus hirae ATCC 10541 Escherichia coli ATCC 10536 Pseudomonas aeruginosa ATCC 15442 Staphylococcus aureus ATCC 6538	>Log 4	>Log 5,72 >Log 6,80 >Log 4,71 >Log 5,97	Teknologisk Institut - DK	Clean & Dirty	5 %	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 - EU	Clean & dirty	5 %	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 - EU	Clean & dirty	5 %	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 - EU	Clean & dirty	5 %	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 - EU	Clean & dirty	5 %	5 min 15 min
<i>Svamp / gærsvamp</i>							5 %	
EN 13697	Quantitative non-porous surface test	Aspergillus niger NCTC 17454	>Log 3	Clean: >Log 3,865 Dirty: >Log 4,079	Bodycote - EU	Clean & dirty	5 %	15 min
EN 13697	Quantitative non-porous surface test	Saccharomyces cerevisiae NCTC 10716	>Log 3	Clean: >Log 4,329 Dirty: >Log 3,828	Bodycote - EU	Clean & dirty	5 %	15 min

VirusShield 5% RTU – TEST SKEMA

Test Norm	Test Type	Organisme	Log min.	Log opnået	Laboratorie	Clean or dirty	Blanding testet RTU	Kontakt tid
Sporer								
EN 13704	Quantitative Suspension Test (phase 2, step 1)	Bacillus subtilis NCTC 10400			Abbott Analytical - UK	Clean & dirty		5 min
EN 13704	Filtrations - neutralization	Bacillus subtilis endospores NCIMB 8054	>Log 3	>Log 5	BluScientific Test Data - UK	Clean	5 %	5 min
EN 13704	Filtrations - neutralization	Clostridium difficile NCTC 11209	>Log 3	>Log 5	BluScientific Test Data - UK	Clean	1 % 5 % 10 %	1 min 2 min 5 min
Bakterier								
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 6,1 Pseudomonas aeruginosa >Log 5,22 Staphylococcus aureus >Log 6,99	Hospital infection Research Laboratory - UK	Clean & dirty	2,5 % 5 %	1 min 5 min 10 min 60 min
EN 13727: 2012 +A1:2013	Quantitative Suspension Test (phase 2, step 1)	Proteus vulgaris NCTC 4175	>Log 6	>Log 6,22	Abbott Analytical - UK	Clean & dirty	5 %	2 min + 10 sek
Sporer								
EN 14347	Basic Sporicidal Activity (phase 1 step 1)	Bacillus cereus NCTC 2599	>Log 4	>Log 5,5	Bodycote - EU	Clean	5 %	1 min 2 min 5 min 10 min 15 min
EN 14347	Basic Sporicidal Activity (phase 1 step 1)	Clostridium difficile spores NCIMB 10666	>Log 4	>Log 6,1	Bodycote - EU	Clean	5 %	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	>Log 5,5	Bodycote - EU	Clean	5 %	1 min 2 min 5 min 10 min 15 min
Myko bakterier								
EN 14348	Quantitative Suspension Test (phase 2, step 1)	Mycobacterium terrae NCTC 10856	>Log 4	>Log 4,08 >Log 5,34	Hospital infection Research Laboratory - UK	Clean	5 % 10 %	1 min 5 min 10 min 20 min 30 min 60 min
EN 14348	Quantitative Suspension Test (phase 2, step 1)	mycobacterium terrae DSM 43227	>Log 4	>Log 4,49	Abbott Analytical - UK	Dirty	0,05 %	30 min
EN 14348	Quantitative Suspension Test (phase 2, step 1)	mycobacterium terrae DSM 43227 mycobacterium Avium DSM 44157	>Log 4	mycobacterium terrae DSM 43227: >Log 6,14 mycobacterium Avium DSM 44157 >Log 6,21	Abbott Analytical - UK	Dirty	5 %	5 min

VirusShield 5% RTU – TEST SKEMA

Test Norm	Test Type	Organisme	Log min.	Log opnået	Laboratorie	Clean or dirty	Blanding testet RTU	Kontakt tid
Myko bakterier								
EN 14348	Quantitative suspension test PHASE 2, STEP 1)	Mycobacterium tuberculosis NCTC 7416	>Log 4	>Log 4,97 >Log 7,86	Hospital infection Research Laboratory - UK	Clean & dirty	2,5 % 5 % 10%	1 min 5 min 10 min 60 min
Vira								
EN 14476		Feline Coronavirus (Human surrogate for SARS)	>Log 4	>Log 5	BluScientific Test Data – UK	Clean	5 %	5 min 60 min
EN 14476		Poliovirus-1 ATCC VR-192 Adenovirus-5 ATCC VR- 5 vs Glutaraldehyde	>Log 4	>Log 5	BluScientific Test Data – UK	Clean	2 % 5 % 10 %	5 min 10 min 20 min 60 min
EN 14476		Poliovirus-1 ATCC VR-192 Adenovirus-5 ATCC VR- 5 vs Ortho-phtalaldehyde	>Log 4	>Log 5	BluScientific Test Data – UK	Clean	2 % 5 % 10 %	5 min 10 min 20 min 60 min
EN 14476		Poliovirus-1 ATCC VR-192 Adenovirus-5 ATCC VR- 5 vs Peracetic acid	>Log 4	>Log 5	BluScientific Test Data – UK	Clean	2 % 5 % 10 %	5 min 10 min 20 min 60 min
EN 14476		Poliovirus-1 ATCC VR-192 Adenovirus-5 ATCC VR-5	>Log 4	>Log 5	BluScientific Test Data – UK	Clean	2 % 5 % 10 %	5 min 10 min 20 min 60 min
EN 14476		Parvovirus ATCC VR-767	>Log 4	>Log 7,5	BluScientific Test Data – UK	Clean	2 % 5 % 10 %	5 min 10 min

VirusShield 5% RTU – TEST SKEMA

Test Norm	Test Type	Organisme	Log min.	Log opnået	Laboratorie	Clean or dirty	Blanding testet RTU	Kontakt tid
Bakterier								
EN 14561	Quantitative carrier test (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 – UK	Clean & dirty	5 %	1 min
EN 14561	Quantitative carrier test (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 – UK	Clean & dirty	5 %	5 min

<i>Svamp / gærsvamp</i>								
EN 14562	Quantitative carrier test (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 – UK	Clean & dirty	5 %	1 min
EN 14562	Quantitative carrier test (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 – UK	Clean & dirty	5 %	5 min
<i>Myko bakterier</i>								
EN 14563	Quantitative carrier test (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 - UK	Clean & dirty	5 %	5 min
EN 14563	Quantitative carrier test (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 - UK	Clean & dirty	5 %	10 min

VirusShield 5% RTU – TEST SKEMA

Test Norm	Test Type	Organisme	Log min.	Log opnået	Laboratorie	Clean or dirty	Blanding testet RTU	Kontakt tid
<i>Bakterier</i>								
EN 16615 (Wipes)	Chemical-neutralization	(Wipes) Enterococcus hirae ATCC 10541 Candida albicans ATCC 10231		Passed Passed	BluTest Laboratories - UK	Clean	5 %	5 min
EN 16615 (Wipes)	Chemical-neutralization	(Wipes) Pseudomonas aeruginosa ATCC 15442 Staphylococcus aureus DSM 799		Passed Passed	BluTest Laboratories - UK	Clean	5 %	1 min 2 min 5 min
EN 16615 (Wipes)	Chemical-neutralization	Candida albicans ATCC 10231 Pseudomonas aeruginosa ATCC442 Staphylococcus aureus DSM 799		Passed Passed Passed	BluTest Laboratories - UK	Clean	5 %	1 min 5 min

<i>Rum desin - ficering</i>								
EN 17272 Baseret på EN13697: 2015 +A1:2019	Quantitative non-porous surface test (Phase 2, step 2)	Enterococcus hirae ATCC 10541 Escherichia coli ATCC 10536 Pseudomonas aeruginosa ATCC 15442 Staphylococcus aureus ATCC 6538	>Log 4	>Log 5,72 >Log 6,80 >Log 4,71 >Log 5,97	Teknologisk Institut - DK	Clean & Dirty	5 %	5 min
<i>Virus</i>								
NF T 72-180	Virucidal Activity Test	Human Immunodeficiency Virus (HIV-1)		Passed	TEXCELL - F	Clean	5 %	1 min 15 min 30 min
NF T 72-180	Virucidal Activity Test	*Vaccinia virus *Poxviridae family *Chordopoxvirinae subfamily *Orthopoxvirus genus	>Log 4	>Log 4,77	TEXCELL - F	Clean	5 %	5 min 10 min 60 min
NF T 72-180	Virucidal Activity Test	Parainfluenzae 3 virus (Paramyxoviridae family)		Passed	TEXCELL - F	Clean	5 %	1 min 15 min 30 min
Filtrations – neutralizati on test	Standard Test Method for Efficacy of Antimicrobial Agents Against Viruses in Suspension.	Feline calic virus CRFK cells (Human Norovirus surrogate)	>Log 4	1 % Log > 2,35% 2,5% Log > 4.27 5 % Log > 4.27	BluScientific Test Data - UK	Clean	2 % 5 % 10 %	5 min
Reduktions test	Virucidal Activity Test	Hepatitis B virus HBV (1 min. 5%)		Tested succusfully against HBV	Micropathology LTD - UK	Clean	5 %	1 min
Reduktions test	Virucidal Activity Test	Hepatitis C virus HCV (1 min. 5%)		Result was succesfull in the indirect estimation of its activity against HCV	Micropathology LTD - UK	Clean	5 %	1 min

VirusShield 5% RTU – TEST SKEMA

Test Norm	Test Type	Organisme	Log min.	Log opnået	Laboratorie	Clean or dirty	Blanding testet RTU	Kontakt tid
<i>Virus</i>								
Reduktions test	Virucidal Activity Test	Influenza A / Panama (H3N2) Influenza NIBRG-14 (H5N1)	>Log 0.5	The test was made with results log > 2.0	Retroscreen Virology - UK	Clean	1 % 5 % 10 %	2 min
Reduktions test	Virucidal Activity Test	Influenza A / Panama (H3N2) Influenza NIBRG-14 (H5N1)	>Log 1.0	The test was made with results log > 3.0	Retroscreen Virology - UK	Clean	1 % 5 % 10 %	10 min
Efficacy Tests	Virucidal Activity Test	Polio virus Vaccine Surrogate for SRSVs		Results shows that it is effective.	Micropathology LTD - UK	Clean	10 %	5 min 15 min 30 min 60 min