Rely+On™ Virkon™

1. EN Efficacy Studies (EU)

Type	Method	Organisms	Strains tested	Dilution rate	Contact time (mins)
Virus , suspension	EN 14476:2013 +A1:2015	Adenovirus type 5	ATCC VR-5	1:100	5
Virus , suspension	EN 14476:2013 +A1:2015	Poliovirus type 1	LSc-2ab (Chiron -Behring)	1:100	5
Virus , suspension	EN 14476:2013 +A1:2015	Murine norovirus	Berlin 06/06 DE Isolate S99	1:100	5
Bacteria, suspension	EN 13727:2012 + A2:2015	Ps aeruginosa	ATCC 15442	1:400	5
Bacteria, suspension	EN 13727:2012 + A2:2015	S aureus	ATCC 6538	1:400	5
Bacteria, suspension	EN 13727:2012 + A2:2015	E hirae	ATCC 10541	1:400	5
Bacteria, surface	EN 13697:2015	Ps aeruginosa	ATCC 15442	1:100	5
Bacteria, surface	EN 13697:2015	S aureus	ATCC 6538	1:100	5
Bacteria, surface	EN 13697:2015	E hirae	ATCC 10541	1:100	5
Bacteria, surface	EN 13697:2015	E coli	ATCC 10536	1:100	5
Yeast, suspension	EN 13624:2013	Candida albicans	ATCC 10231	1:67	5
Yeast, suspension	EN 13624:2013	Candida albicans	ATCC 10231	1:133	15
Yeast, surface	EN 13697:2015	Candida albicans	ATCC 10231	1:67	15

2. Additional efficacy table

a. Virucidal Efficacy

The table below summarises independent efficacy data of Rely+On™ Virkon™ against important disease-causing pathogens.

Organism/Disease	Strain	Dilution Rate
Adenovirus (h5)	Type 5 ATCC VR-5	1:100
Bacteriophages	Strep. lactis bacteriophage 66	1:500
Bacteriophages	Bacteriophage T2 with E.coli	1:500 – 1:4000
Bacteriophages	Bacteriophage MS2 with E.coli	1:500 – 1:4000
Bacteriophages	Bacteriophage OX174 with E.coli	1:500 – 1:4000
Coronavirus Middle East Resp. Syndrome (MERS)	ATCC VR-740	1:100
Feline calicivirus (surrogate for Norwalk & norovirus)	ATCC VR-782	1:100
Hepatitis A	Sattar	1:100

Organism/Disease	Strain	Dilution Rate
Hepatitis B	DHBV	1:100
Hepatitis C	BVDV ATCC CCL-222	1:100
HIV	Type 1	1:100
Influenza A virus	ATCC VR-544	1:100
Orthopox virus	–	1:100
Respiratory syncitial virus	ATCC VR-26	1:100
Rotavirus	Human Strain	1:250

b. Bactericidal Efficacy

Organism/Disease	Strain	Dilution Rate
Acinetobacter baumannii	Carbapenem resistant strain	1:200
Bacillus cereus (veg)	ATCC 14579	1:100
Bacillus subtilis (veg)	NCTC 10073	1:100
Campylobacter jejuni	ATCC 24929	1:100
Chlamydia psittaci	VR-125 (strain 6BC)	1:100
Clostridium perfringens (veg)	ATCC 13124	1:100
Coxiella burnetii	Nine mile (RSA 493)	1:100
Enterobacter cloacae	ATCC 13407	1:400
Escherichia coli 0157	ATCC 43895	1:100
Escherichia coli	CIP 54.127	1:200
Escherichia coli	NCTC 8196	1:100
Escherichia coli (ESBL)	NCTC 11560	1:200
Enterococcus faecium	ATCC 6569	1:400
Enterococcus hirae	CIP 58.55	1:200
Enterococcus faecium	ATCC 10541	1:100
Legionella pneumophila	NCTC 1192	1:5000
Listeria monocytogenes	ATCC 19117	1:100
Klebsiella pneumoniae	ATCC 4352	1:100
Klebsiella pneumoniae (ESBL)	NCTC 13368	1:200
Pasteurella multocida	ATCC 12947	1:100

Organism/Disease	Strain	Dilution Rate
Proteus mirabilis	ATCC 14153	1:100
Proteus vulgaris	NCTC 4635	1:100
Ps. aeruginosa	ATCC 15442	1:100
Ps. aeruginosa	CIP 103467	1:200
Ps. aeruginosa	ATCC 15442	1:100
Ps. aeruginosa	CIP A22	1:100
Ps. aeruginosa	NCTC 6749	1:200
Ps. aeruginosa	PaFH72/a	1:100
Salmonella enteritidis	CVI – WVR – Lelystad	1:200
Salmonella typhimurium	DT104	1:200
Salmonella typhimurium	ATCC 23564	1:100
Shigella sonnei	ATCC 25931	1:100
Staphylococcus aureus	ATCC 33592 (MRSA)	1:100
Staphylococcus aureus	ATCC 6538	1:100
Staphylococcus aureus	NCTC 4163 (MRSA 2 clinical isolates)	1:100
Staphylococcus aureus	CIP 4.83	1:200
Staphylococcus epidermidis	ATCC 12228	1:100
Streptococcus faecalis	NCTC 775	1:100
Streptococcus pyogenes	ATCC 11229	1:100
Streptococcus suis	ATCC 43765	1:100

c. Fungicidal / Yeasticidal Efficacy

Organism/Disease	Strain	Dilution Rate
Aspergillus niger (spores)	AnFH85/a	1:33
Candida albicans	CaFH69/a	1:40
Candida albicans	Gbl 648	1:100
Candida albicans	ATCC 10231	1:200

Organism/Disease	Strain	Dilution Rate
Fusarium moniliforme	ATCC 10052	1:50
Saccharomyces cerevisiae	ScFH68/a	1:40
Trichophyton mentagrophytes	ATCC 9533	1:50