

BioHygiene All Purpose Sanitiser Efficacy

EN1276

Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas.

Test Parameters: 5 - 60 mins contact time (5 mins if risk of patient transmission), 20°C, dirty or clean.
Pass Requirement: ≥ 5 log reduction = 99.999% reduction.

The results show that BioHygiene All Purpose Sanitiser exceeds the performance requirements of BS EN1276.

Organism	Disease / Infection	ACDP Category	Dilution	Conditions	Time (mins)	Log Reduction
<i>Pseudomonas aeruginosa</i>	Opportunistic pathogen, wounds, burns, pneumonia etc.	2	1:10	Clean	0.5	> 5.28
			1:10	Dirty	2	> 5.31
			1:50	Clean	5	> 5.31
			1:100	Clean	5	> 5.31
<i>Escherichia coli</i>	Severe gastroenteritis, urinary tract infections	1-3	1:10	Clean	0.5	> 5.42
			1:10	Dirty	2	> 5.42
			1:50	Clean	5	> 5.34
			1:100	Clean	5	> 5.34
<i>Staphylococcus aureus</i>	Skin, blood infections	2	1:10	Clean	0.5	> 5.39
			1:10	Dirty	0.5	> 5.39
			1:50	Clean	5	> 5.35
			1:100	Clean	5	> 5.35
<i>Enterococcus hirae</i>	Urinary tract infections, endocarditis	2	1:10	Clean	0.5	> 5.53
			1:10	Dirty	1	5.12
			1:50	Clean	5	> 5.30
			1:100	Clean	5	> 5.30

Report Nos: BIP.19G029.IPaEc4, BIP.19G029.IB2, BIP.19G029.IEh4, BIP.20C160.IB

EN13697

Quantitative non-porous surface test (hard surfaces) for the evaluation of bactericidal/ fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas. No mechanical action (rubbing etc.). This is a hard surface test.

Bactericidal Test Parameters: 5 - 60 mins contact time as above, 20°C, dirty or clean.

Pass Requirement: ≥ 4 log reduction = 99.99% reduction.

Fungicidal Test Parameters: 5 - 60 mins contact time as above, 20°C, dirty or clean.

Pass Requirement: ≥ 3 log reduction = 99.9% reduction.

The results show that BioHygiene All Purpose Sanitiser exceeds the performance requirements of BS EN13697 against bacteria, mostly by 10x or more, and has been tested against a range of other dangerous pathogens.

Organism	Disease / Infection	ACDP Category	Dilution	Conditions	Time (mins)	Log Reduction
<i>Pseudomonas aeruginosa</i>	Opportunistic pathogen, wounds, burns, pneumonia etc.	2	1:10	Clean	2	> 5.18
			1:10	Dirty	2	4.83
			1:50	Clean	5	> 7.41
			1:100	Clean	5	> 5.36
<i>Escherichia coli</i>	Severe gastroenteritis, urinary tract infections	1-3	1:10	Clean	5	> 5.75
			1:10	Dirty	2	4.94
			1:50	Clean	5	> 5.75
			1:100	Clean	5	> 5.75
<i>Staphylococcus aureus</i>	Skin, blood infections	2	1:10	Clean	2	4.51
			1:10	Dirty	5	> 5.28
			1:50	Clean	5	> 6.45
<i>Enterococcus hirae</i>	Urinary Tract Infections, endocarditis	2	1:10	Clean	5	> 6.34
			1:10	Dirty	5	> 5.22
			1:50	Clean	5	> 6.43
<i>Campylobacter jejuni</i>	Leading cause of food poisoning	2	1:10	Dirty	5	> 5.11
<i>Listeria monocytogenes</i>	Listeriosis, ranging from gastroenteritis to sepsis, meningitis or encephalitis	2	1:10	Dirty	5	> 5.17
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	As <i>S. aureus</i> above but resistant to antibiotics. Significant hospital pathogen/ "superbug".	2	1:10	Dirty	5	5.14
<i>Salmonella typhimurium</i>	Gastroenteritis	2	1:10	Dirty	5	> 5.28
Vancomycin-resistant <i>Enterococcus faecium</i> (VRE)	Strains of enterococci resistant to the antibiotic vancomycin. Urinary tract, bloodstream, wound etc.	2	1:10	Dirty	5	> 5.23
<i>Botrytis cinerea</i>	Hypersensitivity pneumonitis	1	1:10	Dirty	15	3.29
<i>Fusarium oxysporum</i>	Corneal infection	2	1:10	Dirty	15	3.39

Report Nos: BIP.19G029.SB2, BIP.19G029.SB, BIP.20C160.SB, 10J.0165TB.BIP, BIP.20E024.SB, 11C.0875Cj.BIP, 11C.0875Lm.BIP, 11C.0875StMr.BIP, 11C.0875Vr.BIP, 15M.0325Bi.BIP, 15M.0325Fo.BIP

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EN14476

Quantitative suspension test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in the medical area.

Test Parameters: Up to 60 mins contact time as above, 20°C, dirty or clean.

Pass Requirement: ≥ 4 log reduction = 99.99% reduction.

The results show that BioHygiene All Purpose Sanitiser exceeds the performance requirements of BS EN14476 in 15 seconds.

Organism	Disease / Infection	ACDP Category	Dilution	Conditions	Time (secs)	Log Reduction
<i>Vaccinia Virus</i>	Valid for all enveloped viruses including: Coronavirus (e.g. SARS-CoV-2, MERS), Poxviridae, Herpesviridae, Filoviridae (e.g. Ebola, Marburg), Flavivirus, Hepatitis C Virus (HCV), Hepatitis Delta Virus (HDV), Influenza Virus, Paramyxoviridae, Rubella Virus, Measles Virus, Rabies Virus, HIV, Human T Cell Leukaemia Virus (HTLV), Hepatitis B virus (HBV)	2-4	1:20 1:50 1:100	Clean	15	4.17

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EN1650

Quantitative suspension test for the evaluation of yeasticidal/ fungicidal activity of chemical disinfectants and antiseptics used in the food, industrial, domestic and institutional areas.

Test Parameters: 5 - 60 mins contact time as above, 20°C, dirty or clean.

Pass Requirement: ≥ 4 log reduction = 99.99% reduction.

Organism	Disease / Infection	ACDP Category	Dilution	Conditions	Time (mins)	Log Reduction
<i>Botrytis cinerea</i>	Hypersensitivity pneumonitis	1	1:10	Dirty	15	4.35

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The results show that BioHygiene All Purpose Sanitiser exceeds the performance requirements of BS EN1650 against this strain.