

ESSENTIAL TEST DATA

ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
MYCOBACTERICIDAL/TUBERCULOCIDAL			
Mycobacterium terrae	EN 14348 (P2, S1)	Suspension	Clean 1 & Dirty 2
Mycobacterium avium			
Mycobacterium terrae	EN 14563 (P2, S2)	Carrier	Clean 1 & Dirty 1
Mycobacterium avium			
VIRUCIDAL			
Poliovirus Type 1	EN 14476 (P2, S1)	Suspension	Clean 1 & Dirty 2
Adenovirus Type 5			
Murine Norovirus			
Poliovirus Type 1	ASTM E1053	Surface without mechanical action	Dirty 1
Adenovirus Type 5			
Herpes Simplex Virus Type 1			
FUNGICIDAL/YEASTICIDAL			
Aspergillus brasiliensis	EN 13624 (P2, S1)	Suspension	Clean 1
Candida albicans			
Aspergillus brasiliensis	EN 14562 (P2, S2)	Carrier	Clean 1
Candida albicans			Clean 1
BACTERICIDAL			
Pseudomonas aeruginosa	EN 13727 (P2, S1)	Suspension	Dirty 2
Staphylococcus aureus			
Enterococcus hirae			
Pseudomonas aeruginosa	EN 14561 (P2, S2)	Carrier	Clean 1
Staphylococcus aureus			
Enterococcus hirae			

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ADDITIONAL TEST DATA

Beyond essential testing, further studies have confirmed the product's effectiveness against key pathogens and demonstrated broader performance characteristics.

MICROORGANISMS

ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
SPORES			
<i>Clostridioides difficile</i> *	EN 17126 (P2, S2)	Suspension	Clean 1 & Dirty 2
VIRUSES			
Human Papillomavirus (HPV) Type 16	Meyers et al (J Med Virol. 2020; 92: 1298–1302.)	Simulated-use Test	Dirty 1
Human Papillomavirus (HPV) Type 18			
Adenovirus Type 5	EN 17111 (P2, S2)	Carrier	Clean 1 & Dirty 2
Murine Norovirus			
Polyomavirus SV40			
Feline Calicivirus	ASTM E1053	Surface without mechanical action	Dirty 1
Influenza A Virus (H1N1)			
Polyomavirus SV40	DVV/RKI	Suspension	Clean 2 & Dirty 3
Poliovirus Type 1			
Adenovirus Type 5			
Vaccinia Virus			
Coronavirus (SARS-CoV-2)**	EN 14476 (P2, S1)	Suspension	Dirty 1
Influenza A (H1N1)			Dirty 2

* Test demonstrated a ≥4-log reduction and achieved total kill of all *Clostridioides difficile* spores under the specified test conditions. These results relate specifically to the EN 17126:2018 methodology and acceptance criteria, which differ from those applied in other regulatory jurisdictions.

**A representative sample of Tristel chlorine dioxide chemistry has been tested following EN 14476 at a concentration of 20 parts per million (ppm). Tristel Duo NCU has a chlorine dioxide concentration greater than 20 ppm at the point of use.

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ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
FUNGI & YEAST			
<i>Candidozyma auris</i> (Formerly <i>Candida auris</i>)	EN 14562 (P2, S2)	Carrier	Dirty 1
<i>Candida albicans</i>	AOAC Use-Dilution Method	Carrier	Dirty 1
BACTERIA			
Carbapenem-resistant <i>Klebsiella pneumoniae</i> (CRE)	EN 14561 (P2, S2)	Carrier	Clean 1
Vancomycin-resistant <i>Enterococcus faecium</i> (VRE)			Dirty 1
Multidrug-resistant <i>Acinetobacter baumannii</i> (MDRAB)			
Extended Spectrum Beta-Lactamase (ESBL) producing <i>Klebsiella pneumoniae</i>			
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)			

BIOFILM

ORGANISM	TEST METHOD	BIOFILM TYPE	SURFACE TYPE
<i>Pseudomonas aeruginosa</i>	MBEC assay (ASTM E2799-22)	Grown in moist conditions - aged for 72 hours	Polystyrene
<i>Staphylococcus aureus</i>	CDC Biofilm Reactor (ASTM E2871-21)		Stainless steel & PVC
<i>Staphylococcus aureus</i>	Modified CDC Biofilm Reactor	Dry (semi-hydrated) - aged for 12 days	Stainless steel & PVC

KEY

Clean 1 0.3g/l Bovine albumin

Clean 2 Aqua bidest

Dirty 1 5% Blood Serum

Dirty 2 3g/l Bovine albumin + 3ml Blood erythrocytes

Dirty 3 10% Blood Serum

P2, S1 Phase 2, Step 1

P2, S2 Phase 2, Step 2

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