

**ESSENTIAL TEST DATA**

ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
<b>SPORICIDAL</b>			
<i>Clostridium sporogenes</i>	EN 14561/AOAC 966.04	Carrier	Dirty 1
<b>MYCOBACTERICIDAL/TUBERCULOCIDAL</b>			
<i>Mycobacterium terrae</i>	EN 14563 (P2, S2)	Carrier	Dirty 1
<i>Mycobacterium avium</i>			
<b>VIRUCIDAL</b>			
Poliovirus Type 1	EN 14476 (P2, S1)	Suspension	Clean 1 & Dirty 4
Adenovirus Type 5			
Murine Norovirus			
Poliovirus Type 1	ASTM E1053	Surface without mechanical action	Dirty 1
Herpes Simplex Virus Type 1			
<b>FUNGICIDAL/YEASTICIDAL</b>			
<i>Aspergillus brasiliensis</i>	EN 13624 (P2, S1)	Suspension	Dirty 4
<i>Candida albicans</i>			
<i>Candida albicans</i>	EN 14562 (P2, S2)	Carrier	Dirty 4
<b>BACTERICIDAL</b>			
<i>Pseudomonas aeruginosa</i>	EN 13727 (P2, S1)	Suspension	Dirty 4
<i>Staphylococcus aureus</i>			
<i>Enterococcus hirae</i>			
<i>Pseudomonas aeruginosa</i>	EN 14561 (P2, S2)	Carrier	Clean 1 & Dirty 4
<i>Staphylococcus aureus</i>			
<i>Enterococcus hirae</i>			

## 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
<b>SPORES</b>			
<i>Bacillus subtilis</i>	Bespoke Test	Surface with mechanical action	Not Applicable
			Dirty 2
<i>Clostridioides difficile</i>	EN 17126 (P2, S1)	Suspension	Clean 1 & Dirty 4
<b>MYCOBACTERIA</b>			
<i>Mycobacterium terrae</i>	Bespoke Test	Surface with mechanical action	Dirty 2
<i>Mycobacterium avium</i>			
<i>Mycobacterium tuberculosis</i>			
<b>VIRUSES</b>			
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	Dirty 4
Murine Norovirus			
Hepatitis B Virus (HBV)	Bespoke Test	Suspension	Not Applicable
Hepatitis C Virus (HCV)			
Human Immunodeficiency Virus (HIV)			
Polyomavirus SV40	DVV/RKI	Suspension	Clean 2 & Dirty 3
Coronavirus (SARS-CoV-2)*	EN 14476 (P2, S1)	Suspension	Dirty 1

\* A representative sample of Tristel chlorine dioxide chemistry has been tested following EN 14476 at a concentration of 20 parts per million (ppm). Tristel Sporocidal Wipe, part of the Trio Wipes System, has a chlorine dioxide concentration greater than 20 ppm at the point of use.

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ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
<b>FUNGI &amp; YEAST</b>			
<i>Trichophyton interdigitale</i>	AOAC 955.17	Carrier	Dirty 1
<i>Candidozyma auris</i> (Formerly <i>Candida auris</i> )	EN 14562 (P2, S2)	Carrier	Dirty 1
<b>BACTERIA</b>			
<i>Escherichia coli</i>	EN 14561 (P2, S2)	Carrier	Clean 1 & Dirty 4
<i>Enterobacter cloacae</i>			Clean 1
<i>Klebsiella pneumoniae</i>			
Vancomycin-resistant <i>Enterococcus faecium</i> (VRE)			

**KEY**

**Clean 1** 0.3g/l Bovine albumin

**Clean 2** Aqua bidest

**Dirty 1** 5% Blood Serum

**Dirty 2** 3g/l Bovine albumin Serum

**Dirty 3** 10% Blood Serum

**Dirty 4** 3g/l Bovine albumin + 3ml Blood erythrocytes

**P2, S1** Phase 2, Step 1

**P2, S2** Phase 2, Step 2

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