

Microbiological Efficacy Summary
Testing performed in accordance with EN 14885:2018
and the latest regulatory efficacy requirements for disinfectants used in the medical area

	ORGANISM	TEST NORM	TEST TYPE	CONDITIONS
SPORICIDAL	<i>Bacillus cereus</i>	EN 17126	Suspension	Clean 1
	<i>Bacillus subtilis</i>			
MYCOBACTERICIDAL	<i>Mycobacterium terrae</i>	EN 14563	Carrier	Clean 1 and Dirty 3
	<i>Mycobacterium avium</i>			
	<i>Mycobacterium terrae</i>	EN 14348	Suspension	Clean 1
	<i>Mycobacterium avium</i>			
VIRUCIDAL	Poliovirus Type 1	EN 14476	Suspension	Clean 1
	Adenovirus Type 5			
	Murine Norovirus			
FUNGICIDAL/ YEASTICIDAL	<i>Candida albicans</i>	EN 16615	Surface with mechanical action	Clean 1
	<i>Candida albicans</i>	EN 14562	Carrier	Clean 1 and Dirty 4
	<i>Aspergillus brasiliensis</i>	EN 13624	Suspension	Clean 1 and Dirty 1
	<i>Candida albicans</i>			Clean 1 and Dirty 4
BACTERICIDAL	<i>Staphylococcus aureus</i>	EN 16615	Surface with mechanical action	Clean 1
	<i>Enterococcus hirae</i>			
	<i>Pseudomonas aeruginosa</i>			
	<i>Staphylococcus aureus</i>	EN 14561	Carrier	Clean 1 and Dirty 4
	<i>Enterococcus hirae</i>			
	<i>Pseudomonas aeruginosa</i>			
	<i>Staphylococcus aureus</i>	EN 13727	Suspension	Clean 1 and Dirty 4
	<i>Enterococcus hirae</i>			
<i>Pseudomonas aeruginosa</i>				

	ORGANISM	TEST NORM	TEST TYPE	CONDITIONS
SPORES	<i>Clostridium sporogenes</i>	EN 14561 / AOAC 966.04	Carrier	Dirty 3
	<i>Bacillus subtilis</i>	Bespoke Wiping Test	Surface	Not applicable
	<i>Bacillus subtilis</i>	Bespoke Wiping Test	Surface	Dirty 1
	<i>Bacillus cereus</i>	EN 16615	Surface with mechanical action	Clean 1

MYCOBACTERIA	<i>Mycobacterium avium</i>	Bespoke Wiping Test	Surface	Dirty 1
	<i>Mycobacterium terrae</i>			
	<i>Mycobacterium tuberculosis</i>			
	<i>Mycobacterium terrae</i>	Griffiths et al. Journal of Hospital Infection (1998)	Suspension	Not applicable

VIRUSES	Human Papillomavirus Type 16	Bespoke Testing	Simulated In-use Test on Device	Dirty 3
	Human Papillomavirus Type 18			
	Hepatitis B Virus (HBV)	Bespoke Testing	Suspension	Not applicable
	Hepatitis C Virus (HCV)			
	Human Immunodeficiency Virus (HIV)			
	Poliovirus Type 1	ASTM E-1053	Surface	Dirty 3
	Herpes Simplex Virus Type 1			
	Poliovirus Type 1	DVV/RKI	Suspension	Clean 2 and Dirty 2
	Adenovirus Type 5			
	Polyoma virus SV40			
Vaccinia Virus				
Murine Norovirus	EN 16615	Surface with mechanical action	Clean 1	

FUNGI/ YEAST	<i>Aspergillus brasiliensis</i>	EN16615	Surface with mechanical action	Clean 1
	<i>Trichophyton interdigitale</i>	AOAC 955.17	Carrier	Dirty 3

BACTERIA	<i>Escherichia coli</i>	EN 14561	Carrier	Clean 1 and Dirty 4
	<i>Enterobacter cloacae</i>			
	Vancomycin Resistant Enterococci (VRE) <i>Enterococcus faecium</i>			
	<i>Klebsiella pneumoniae</i>			
	Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	EN 13727	Suspension	Clean 1

Clean/Dirty Conditions Key:

Clean 1: 0.3 g/l bovine albumin - **Clean 2:** Aqua bidest

Dirty 1: 3g/l bovine albumin - **Dirty 2:** 10% fetal calf serum - **Dirty 3:** 5% fetal bovine serum - **Dirty 4:** 3g/l bovine albumin 3g/l blood erythrocytes