

Tristel Fuse™

for Stella

Microbiological Efficacy Summary

	Test norm	Test type	Organism	Log reduction required	Log reduction achieved	Laboratory	Clean or dirty	Contact time
Sporicidal	Bespoke testing based on EN 14561 Methodology	Carrier	<i>Clostridium sporogenes</i>	N/A	> 6 log	Hygiene Nord GmbH	Dirty 1	5 min.
			<i>Bacillus subtilis</i>	N/A	> 6 log	Hygiene Nord GmbH	Dirty 1	
	EN 13704	Suspension	<i>Bacillus subtilis</i>	> 3 log	3.43 log	Hygiene Nord GmbH	Clean 1	5 min.
			<i>Bacillus subtilis</i>	> 3 log	> 3.00 log	MGS	Clean 1	
	EN 14347	Suspension	<i>Bacillus subtilis</i>	> 4 log	4.62 log	Hygiene Nord GmbH	N/A	
			<i>Bacillus cereus</i>	> 4 log	4.96 log	Hygiene Nord GmbH	N/A	
Mycobactericidal	EN 14563	Carrier	<i>Mycobacterium avium</i>	> 4 log	7.96 log	Hygiene Nord GmbH	Clean 1	1 min.
			<i>Mycobacterium terrae</i>	> 4 log	7.48 log	Hygiene Nord GmbH	Clean 1	3 min.
	EN 14348	Suspension	<i>Mycobacterium avium</i>	> 4 log	7.63 log	Hygiene Nord GmbH	Clean 1	5 min.
			<i>Mycobacterium terrae</i>	> 4 log	7.89 log	Hygiene Nord GmbH	Clean 1	
Virucidal	EN 14476	Suspension	Poliovirus T1	> 4 log	> 5.38 log	Dr. Brill & Dr. Steinmann	Clean 1	30 sec.
			Adenovirus T5	> 4 log	> 6.50 log	Dr. Brill & Dr. Steinmann	Clean 1	
			Norovirus (using murine norovirus surrogate)	> 4 log	> 6.25 log	Dr. Brill & Dr. Steinmann	Clean 1	
	DVV & RKI	Suspension	Poliovirus T1	> 4 log	4.65 log	Mikrolab	Dirty 2	1 min.
			Poliovirus T1	> 4 log	> 6.75 log	Mikrolab	Clean 2	
			Adenovirus T5	> 4 log	> 6.25 log	Mikrolab	Dirty 2	
			Adenovirus T5	> 4 log	> 6.25 log	Mikrolab	Clean 2	
			Vaccinia virus	> 4 log	> 6.00 log	Mikrolab	Dirty 2	
			Vaccinia virus	> 4 log	> 6.13 log	Mikrolab	Clean 2	
			Human Papillomavirus (using polyoma virus SV40 surrogate)	> 4 log	> 5.88 log	Mikrolab	Dirty 2	
Human Papillomavirus (using polyoma virus SV40 surrogate)	> 4 log	> 6.13 log	Mikrolab	Clean 2				
Fungicidal/Yeasticidal	AOAC 955.17	Carrier	<i>Trichophyton interdigitale</i>	No positive subculture tubes	0 out of 10 positive subculture tubes	Microchem Laboratory	Dirty 3	5 min.
	EN 14562	Carrier	<i>Candida albicans</i>	> 4 log	6.60 log	Hygiene Nord GmbH	Clean 1	1 min.
	EN 13624	Suspension	<i>Candida albicans</i>	> 4 log	4.56 log	Hygiene Nord GmbH	Clean 1	1 min.
			<i>Aspergillus brasiliensis</i>	> 4 log	> 4.03 log	Hygiene Nord GmbH	Clean 1	5 min.
			<i>Aspergillus brasiliensis</i>	> 4 log	> 4.37 log	MGS	Clean 1	5 min.
			<i>Aspergillus brasiliensis</i>	> 4 log	> 4.39 log	MGS	Clean 1	5 min.

	Test norm	Test type	Organism	Log reduction required	Log reduction achieved	Laboratory	Clean or dirty	Contact time	
Bactericidal	EN 14561	Carrier	Vancomycin-Resistant Enterococci (VRE) <i>Enterococcus faecium</i>	> 5 log	> 6.71 log	MGS	Clean 1	5 min.	
			<i>Klebsiella pneumoniae</i>	> 5 log	> 6.71 log	MGS	Clean 1		
			<i>Staphylococcus aureus</i>	> 5 log	6.85 log	Hygiene Nord GmbH	Clean 1	1 min.	
			<i>Pseudomonas aeruginosa</i>	> 5 log	6.14 log	Hygiene Nord GmbH	Clean 1		
			<i>Enterococcus hirae</i>	> 5 log	6.87 log	Hygiene Nord GmbH	Clean 1		
	EN 13727	Suspension	<i>Staphylococcus aureus</i>	> 5 log	6.70 log	Hygiene Nord GmbH	Clean 1	1 min.	
					> 5.37 log				
			<i>Pseudomonas aeruginosa</i>	> 5 log	6.70 log	Hygiene Nord GmbH	Clean 1		
					> 5.15 log				
			<i>Escherichia coli</i>	> 5 log	6.70 log	Hygiene Nord GmbH	Clean 1		
			<i>Enterococcus hirae</i>	> 5 log	6.64 log	Hygiene Nord GmbH	Clean 1		
					> 5.11 log				
			<i>Staphylococcus aureus</i>	> 5 log	> 5.38 log	MGS	Clean 1		5 min.
			<i>Staphylococcus aureus</i>	> 5 log	> 5.38 log	MGS	Dirty 4		
<i>Pseudomonas aeruginosa</i>			> 5 log	> 5.27 log	MGS	Clean 1			
<i>Pseudomonas aeruginosa</i>	> 5 log	> 5.27 log	MGS	Dirty 4					
<i>Enterococcus hirae</i>	> 5 log	> 5.07 log	MGS	Clean 1					
<i>Enterococcus hirae</i>	> 5 log	> 5.07 log	MGS	Dirty 4					

Clean/Dirty Conditions Key

Clean 1: 0.3 g/L bovine albumin
Clean 2: Aqua bidest

Dirty 1: 5% Fetal Calf Serum
Dirty 2: 10% Fetal Calf Serum
Dirty 3: 5% Bovine albumin
Dirty 4: 3.0 g/L bovine albumin + 3 ml/l sheep erythrocytes