

# Tristel Fuse<sup>TM</sup>

## for Surfaces

### Microbiological Efficacy Summary

	Test norm	Test type	Organism	Log reduction required	Log reduction achieved	Laboratory	Clean or dirty	Contact time
<b>Sporicidal</b>	EN 13704	Suspension	<i>Bacillus subtilis</i>	> 3 log	> 3.12 log	MGS	Clean 1	5 min.
			<i>Bacillus subtilis</i>	> 3 log	> 5.95 log	HIRL	Clean 1	
			<i>Bacillus cereus</i>	> 3 log	> 4.00 log	HIRL	Clean 1	
			<i>Clostridium difficile</i>	> 3 log	> 3.8 log	Eclipse	Clean 1	
			<i>Clostridium difficile</i>	> 3 log	> 3.8 log	Eclipse	Dirty 1	
			<i>Clostridium difficile</i>	> 3 log	4.88 log	HIRL	Clean 1	1 min.
			<i>Clostridium difficile</i>	> 3 log	> 6.45 log	HIRL	Clean 1	5 min.
	EN 14347	Suspension	<i>Bacillus subtilis</i>	> 4 log	> 4.00 log	Eclipse	N/A	1 min.
			<i>Bacillus cereus</i>	> 4 log	> 4.00 log	Eclipse	N/A	1 min.
<b>Mycobactericidal</b>	EN 14348	Suspension	<i>Mycobacterium avium</i>	> 4 log	> 7.58 log	MGS	Clean 1	5 min.
			<i>Mycobacterium terrae</i> (Surrogate organism for <i>Mycobacterium tuberculosis</i> )	> 4 log	5.40 log	MGS	Clean 1	
<b>Virucidal</b>	EN 14476	Suspension	Poliovirus T1	> 4 log	5.17 log	Eurofins Biolab	Dirty 1	2 min.
			Adenovirus T5	> 4 log	5.50 log	Eurofins Biolab	Dirty 1	2 min.
			Murine Norovirus	> 4 log	4.16 log	Eurofins Biolab	Clean 1	5 min.
			Feline Calicivirus	> 4 log	> 4.50 log	Eurofins Biolab	Dirty 1	2 min.
<b>Fungicidal/Yesticidal</b>	EN 13697	Surface	<i>Candida albicans</i>	> 3 log	> 3.4 log	MGS	Clean 1	5 min.
	EN 13624	Suspension	<i>Candida albicans</i>	> 4 log	> 4.48 log	MGS	Clean 1	5 min.
			<i>Candida albicans</i>	> 4 log	> 4.48 log	MGS	Dirty 1	
			<i>Candida albicans</i>	> 4 log	> 4.23 log	MGS	Dirty 1	
			<i>Candida albicans</i>	> 4 log	> 4.38 log	MGS	Dirty 1	
			<i>Candida albicans</i>	> 4 log	> 4.23 log	MGS	Dirty 1	1 min.
			<i>Aspergillus niger</i>	> 4 log	> 4.44 log	MGS	Clean 1	5 min.

	Test norm	Test type	Organism	Log reduction required	Log reduction achieved	Laboratory	Clean or dirty	Contact time	
<b>Bactericidal</b>	EN 14561	Carrier	Multi-drug resistant <i>Acinetobacter baumannii</i> (MDRA)	> 5 log	> 5.61 log	MGS	Clean 1	5 min.	
			<i>Pseudomonas aeruginosa</i>	> 5 log	> 6.37 log	MGS	Clean 1		
			<i>Staphylococcus aureus</i>	> 5 log	> 6.66 log	MGS	Clean 1		
			<i>Enterococcus hirae</i>	> 5 log	> 6.95 log	MGS	Clean 1		
	EN 13697	Surface	<i>Escherichia coli</i>	> 4 log	> 4.9 log	MGS	Clean 1		
			<i>Pseudomonas aeruginosa</i>	> 4 log	> 4.5 log	MGS	Clean 1		
	EN 1276	Suspension	<i>Escherichia coli</i>	> 5 log	6.5	MGS	Clean 1		
			<i>Staphylococcus aureus</i>	> 5 log	> 6.6	MGS	Clean 1		
			<i>Enterococcus hirae</i>	> 5 log	5.5	MGS	Clean 1		
			<i>Pseudomonas aeruginosa</i>	> 5 log	6.2	MGS	Clean 1		
	EN 13727	Suspension	Multi-drug resistant <i>A. baumannii</i>	> 5 log	> 5.09 log	MGS	Clean 1		5 min.
			<i>Staphylococcus aureus</i>	> 5 log	> 5.33 log	MGS	Clean 1		
			<i>Staphylococcus aureus</i>	> 5 log	> 5.33 log	MGS	Dirty 1	1/5 min.	
			<i>Staphylococcus aureus</i>	> 5 log	> 6.60 log	HIRL	Clean 1		
			<i>Staphylococcus aureus</i>	> 5 log	> 6.60 log	HIRL	Dirty 1		
			<i>Pseudomonas aeruginosa</i>	> 5 log	> 5.51 log	MGS	Clean 1		
			<i>Pseudomonas aeruginosa</i>	> 5 log	> 5.51 log	MGS	Dirty 1		
<i>Pseudomonas aeruginosa</i>			> 5 log	> 6.20 log	HIRL	Clean 1			
<i>Pseudomonas aeruginosa</i>			> 5 log	> 6.20 log	HIRL	Dirty 1			
<i>Enterococcus hirae</i>			> 5 log	> 5.51 log	MGS	Clean 1			
<i>Enterococcus hirae</i>			> 5 log	> 5.51 log	MGS	Dirty 1			
<i>Enterococcus hirae</i>			> 5 log	> 6.42 log	HIRL	Clean 1			
<i>Enterococcus hirae</i>			> 5 log	> 6.42 log	HIRL	Dirty 1			
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)			> 5 log	> 5.34 log	MGS	Clean 1	5 min.		
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	> 5 log	> 5.34 log	MGS	Dirty 1					

### Clean/Dirty Conditions Key

Clean 1: 0.3 g/L bovine albumin

Dirty 1: 3.0 g/L bovine albumin + 3 ml/l sheep erythrocytes