

	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> (Surrogate for <i>Mycobacterium tuberculosis</i>)	> 4 log	7.48 log	Hygiene Nord GmbH	Clean1	3 min.
	EN 14348	Suspension	<i>Mycobacterium avium</i>	> 4 log	7.63 log	Hygiene Nord GmbH	Clean1	5 min.
			<i>Mycobacterium terrae</i> (Surrogate for <i>Mycobacterium tuberculosis</i>)	> 4 log	7.89 log	Hygiene Nord GmbH	Clean1	
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	
			Murine Norovirus	> 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	
			Vacciniavirus	> 4 log	> 6.00 log	Mikrolab	Dirty 2	
			Vacciniavirus	> 4 log	> 6.13 log	Mikrolab	Clean 2	
			Polyomavirus SV40 (Surrogate for HPV)	> 4 log	> 5.88 log	Mikrolab	Dirty 2	
Polyomavirus SV40 (Surrogate for HPV)	> 4 log	> 6.13 log	Mikrolab	Clean 2				
Fungicidal/Yeasticidal	AOAC 955.15 Modified for Fungi	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> (formerly <i>niger</i>)	> 4 log	> 4.03 log	Hygiene Nord GmbH	Clean 1	5 min.
			<i>Aspergillus brasiliensis</i> (formerly <i>niger</i>)	> 4 log	> 4.37 log	MGS	Clean 1	5 min.
			<i>Aspergillus brasiliensis</i> (formerly <i>niger</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 <i>Enterococcus faecium</i> (VRE)	> 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