Rapid 6 Foam • Test Results

Wipes & Foam testing - *C.difficile* spores

Testing against ***C.difficile*** spores when Rapid 6 Foam is used with different wipe applications.
Method: 4 tiles were treated with ***C.difficile*** spores, then left to dry. The treated tiles were then cleaned using four different methods: Rapid 6 Wipes only; Rapid 6 Foam & microfibre cloths; Rapid 6 Foam & Endurocide Detergent Wipes; Rapid 6 Foam & Rapid 6 Wipes. Swabs were taken from both the cleaned tiles and the wipe after 1, 2 and 5 minutes.
Test conditions: done under dirty conditions.

Method used	Log. reduction	
Rapid 6 Foam + Rapid 6 Wipes	**Surface**	**Wipe**
1 minute	> 5.46	> 5.46
2 minutes	5.74	5.06
5 minutes	> 6.97*	> 6.97*
Rapid 6 Wipes only	**Surface**	**Wipe**
1 minute	> 3.47	> 3.24
2 minutes	4.87	4.46
5 minutes	> 6.41*	> 6.41*
Rapid 6 Foam + microfibre cloths	**Surface**	**Wipe**
1 minute	3.86	> 4.01
2 minutes	4.65	4.97
5 minutes	> 6.97*	> 6.27
Rapid 6 Foam + Endurocide Detergent Wipes	**Surface**	**Wipe**
1 minute	3.64	3.10
2 minutes	4.45	3.92
5 minutes	> 6.68	4.68

EN 17126 — Spores

A quantitative suspension test designed to evaluate sporicidal activity in the medical area.
Pass: ≥4 log reduction in 15 minutes at 20°C under dirty conditions.

Pathogen	Pass	Log. reduction	Test time
Bacillus cereus	✓	> 4.00	4 min.
Bacillus subtilis	✓	> 4.00	4 min.
Bacillus subtilis	✓	> 4.00	4 min.

EN 13704 — Spores

A suspension test designed to evaluate sporicidal activity.
Pass: ≥ 3 log reduction in 60 minutes at 20°C under dirty conditions.

Pathogen	Pass	Log. reduction	Test time
Clostridium difficile	✓	3.21	1 min.
	✓	4.06	2 min.
	✓	> 6.71*	5 min.

EN 13704 (liquid expelled from wipe) — Spores

A suspension test designed to evaluate sporicidal activity.
Pass: ≥ 3 log reduction in 60 minutes at 20°C under dirty conditions.

Pathogen	Pass	Log. reduction	Test time
Clostridium difficile	✓	3.86	1 min.
	✓	4.46	2 min.

EN 14347 — Spores

A quantitative suspension test designed to evaluate basic sporicidal activity.
Pass: ≥ 3 log reduction in 30 minutes at 20°C.

Pathogen	Pass	Log. reduction	Test time
Bacillus cereus	✓	4.49	1 min.
Bacillus subtilis	✓	> 6.61*	1 min.

EN 14348 — Mycobacteria

A suspension test designed to evaluate mycobactercidal activity in the medical area.
Pass: ≥ 4 log reduction in 5 minutes at 20°C under clean conditions.

Pathogen	Pass	Log. reduction	Test time
Mycobacterium avium	✓	4.96	5 min.
Mycobacterium terrae	✓	5.01	5 min.

EN 14563 — Mycobacteria

A quantitative carrier test designed to evaluate mycobactericidal activity of disinfectants in the medical area in the conditions in which they are used. **Pass:** ≥ 4 log reduction in 60 minutes under clean conditions.

Pathogen	Pass	Log. reduction	Test time
Mycobacterium avium	✓	4.49	5 min
Mycobacterium terrae	✓	4.11	5 min.

Other results

Spores - residuality tested	Tested against *C.difficile* spores - provides sporicidal activity 4 hours after application (log 3.8).
Bacteria - residuality tested	Tested against *E.coli* - provides antimicrobial activity 4 hours after application (log 5.55).
Bacteria & fungi - residuality tested	Tested against MRSA, *Salmonella* and *Candida albicans* - provides > 99.9% antimicrobial activity 3 hours after application

*Minimum log. reduction - limited by culture

EN 1040 — Bacteria

A suspension test designed to evaluate basic bactericidal activity.
Pass: ≥ 5 log reduction in 5 minutes with no interfering substance.

Pathogen	Pass	Log. reduction	Test time
Pseudomonas aeruginosa	✓	> 6.40*	1 min.
Staphylococcus aureus	✓	> 6.37*	1 min.

EN 1276 — Bacteria

A suspension test designed to evaluate bactericidal activity.
Pass: ≥ 5 log reduction in 5 minutes under dirty conditions.

Pathogen	Pass	Log. reduction	Test time
Escherichia coli	✓	> 6.28*	1 min.
Enterococcus hirae	✓	> 6.45*	1 min.
ESBL (Extended Spectrum Beta-Lactamase) *E.coli*	✓	> 6.41*	1 min.
Klebsiella pneumoniae	✓	> 6.43*	1 min.
Methicillin-resistant *Staphylococcus aureus* (MRSA)	✓	> 6.32*	1 min.
Pseudomonas aeruginosa	✓	> 6.32*	1 min.
Salmonella enteritidis	✓	> 6.46*	1 min.
Salmonella typhimurium	✓	> 6.32*	1 min
Vancomycin-resistant *Enterococcus faecalis* (VRE)	✓	> 6.48*	1 min.

EN 14561 — Bacteria

A quantitative carrier test designed to evaluate bactericidal activity of disinfectants in the medical are in the conditions in which they are used. **Pass:** ≥ 5 log reduction in 60 minutes under dirty conditions.

Pathogen	Pass	Log. reduction	Test time
Enterococcus hirae	✓	> 6.18*	5 min.
Escherichia coli	✓	> 6.48*	5 min.
Pseudomonas aeruginosa	✓	> 6.30*	5 min.
Staphylococcus aureus	✓	> 6.43*	5 min.

EN 13697 — Bacteria

A quantitative surface test designed to evaluate bactericidal activity of disinfectants on non-porous surfaces in the medical area. **Pass:** ≥ 4 log reduction in 5 minutes under dirty conditions.

Pathogen	Pass	Log. reduction	Test time
Enterococcus hirae	✓	6.00	5 min.
Escherichia coli	✓	> 6.23*	5 min.
Pseudomonas aeruginosa	✓	4.38	5 min.
Staphylococcus aureus	✓	> 6.46*	5 min.

EN 13727 — Bacteria

A quantitative surface test designed to evaluate bactericidal activity of disinfectants on instruments in the medical area. **Pass:** ≥ 5 log reduction in 60 minutes under dirty conditions.

Pathogen	Pass	Log. reduction	Test time
Enterococcus hirae	✓	> 6.26*	1 min.
Pseudomonas aeruginosa	✓	> 6.34*	1 min.
Staphylococcus aureus	✓	> 6.45*	1 min.

EN 1275 — Fungi

A quantitative suspension test designed to evaluate basic fungicidal activity.
Pass: ≥ 4 log reduction in 15 minutes at 20°C with no interfering subtance used.

Pathogen	Pass	Log. reduction	Test time
Aspergillus niger	✓	4.83	5 min.
Candida albicans	✓	> 5.51*	1 min.

EN 1650 — Fungi

A suspension test designed to evaluate fungicidal activity.
Pass: ≥ 4 log reduction in 15 minutes at 20°C under clean conditions.

Pathogen	Pass	Log. reduction	Test time
Aspergillus niger	✓	4.59	1 min.
Candida albicans	✓	5.11	5 min.

EN 13697 — Fungi

A quantitative suspension test designed to evaluate fungicidal activity of disinfectants.
Pass: ≥ 3 log reduction in 15 minutes at 20°C under dirty conditions.

Pathogen	Pass	Log. reduction	Test time
Aspergillus niger	✓	> 4.88	15 min.
Candida albicans	✓	> 5.61	1 min.

EN 13624 — Fungi

A suspension test to evaluate fungicidal activity for instruments used in the medical area.
Pass: ≥ 4 log reduction in 60 minutes at 20°C under dirty conditions.

Pathogen	Pass	Log. reduction	Test time
Aspergillus niger	✓	5.99	5 min.
Candida albicans	✓	> 5.46*	1 min.

EN 14562 — Fungi

A quantitative carrier test designed to evaluate fungicidal activity in the medical area.
Pass:≥ 4 log reduction in 60 minutes at 20°C under clean conditions.

Pathogen	Pass	Log. reduction	Test time
Aspergillus niger	✓	4.87	15 min.
Candida albicans	✓	4.25	15 min.

EN 14476 — Viruses

A quantitative suspension test designed to evaluate virucidal activity of disinfectants in the medical environment.
Pass: ≥ 4 log reduction in 60 minutes at 20°C under clean conditions.

Pathogen	Pass	Log. reduction	Test time
H1N1 Influenza A Virus (Swine Flu)	✓	≥ 4.13	1 min.

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