

Rely+On™ PeraSafe™

High Level Disinfectant for
use with Medical Devices



- Outstanding biocidal action
- Optimised corrosion inhibitor system
- Suitable for the disinfection of endoscopes, ultra-sound probes and other reusable, heat sensitive medical devices
- Good environmental and operator safety profiles

Rely+On™ PeraSafe™

Specifically developed to offer rapid broad spectrum decontamination against viruses, mycobacteria, bacteria, yeasts and bacterial spores. Rely+On™ PeraSafe™, with its optimised corrosion inhibitor system and near neutral pH, is a suitable solution for endoscope, ultra-sound probe and other reusable, heat sensitive medical device disinfection.

Biocidal Efficacy

Rely+On™ PeraSafe™ powder generates peracetic acid *in-situ* when dissolved in water. The neutral pH solution combines the biocidal efficacy of peracetic acid with excellent materials compatibility to allow repeated, rapid decontamination of pathogenic micro-organisms from heat labile, reusable medical devices and instruments.

Proven Broad Spectrum Efficacy

Independently proven highly effective against viruses, mycobacteria, bacteria and bacterial spores, Rely+On™ PeraSafe™ provides rapid broad spectrum decontamination against disease-causing pathogens of concern to human health, such as, HIV, Hepatitis B & C, Mycobacteria (Tuberculosis), Pseudomonas aeruginosa, Clostridium difficile, MRSA and Candida albicans.

Rely+On™ PeraSafe™ has been independently evaluated in the United Kingdom by the Hospital Infection Research Laboratory (HIRL).

The HIRL evaluation findings demonstrate that, in 10 minutes or less, Rely+On™ PeraSafe™ reduces colony forming units of $>5 \log_{10}$ for Bacillus subtilis var niger spores (surface test), and $>5 \log_{10}$ for Mycobacterium terrae. These results clearly demonstrate Rely+On™ PeraSafe™'s rapid biocidal action and suitability for use in medical device disinfection.

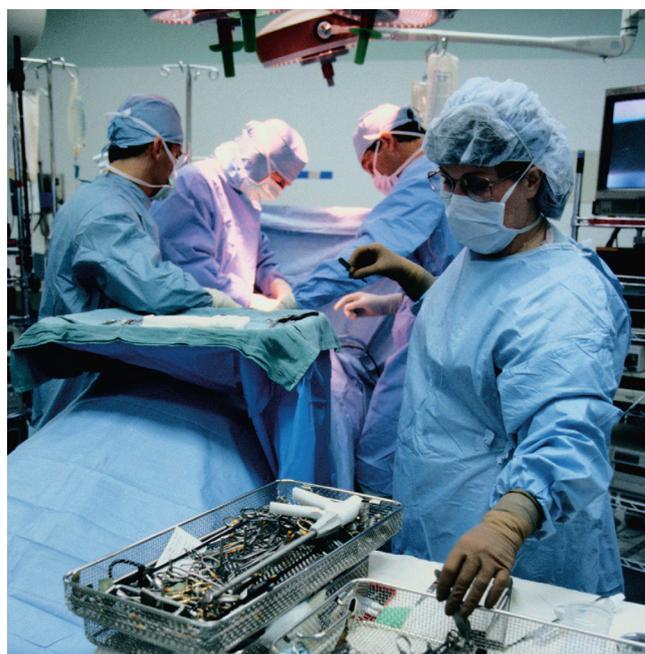
Medical Device Compatibility

Rely+On™ PeraSafe™ is compatible with endoscopes, ultra-sound probes, surgical instruments and other common reusable, heat sensitive medical devices. An optimised corrosion inhibitor system, allied to a neutral pH solution, optimises efficacy and compatibility.



Certification

Rely+On™ PeraSafe™ complies with the Medical Devices Directive as assessed by BSI Product services (Notified Body No.0086) (CE Certificate No.01455).



Operator Safety

Rely+On™ PeraSafe™ is not classified as a sensitiser in both powdered form and in-use dilutions.

Environmental Profile

Rely+On™ PeraSafe™ has been formulated to include ingredients that have been carefully selected for their ability to degrade naturally within the environment.

Lifespan of Disinfectant Solution

Maximum 24 hours from activation and/or 20 immersions, whichever is the least. For fungicidal activity claims, solutions are to be used within 8 hours of preparation. Unused or inactive solutions may be disposed of via the sink*. Rely+On™ PeraSafe™ test strips may be used to confirm the activity of the solution over its recommended lifespan.

Rely+On™ PeraSafe™ is available in the following presentations:

Pack Size	Volume of disinfectant solution
16.2 gram Sachet	1 litre
81 gram Pot	5 litres
162 gram Pot	10 litres
810 gram Pot	50 litres

* Always check and observe the local site requirements concerning the disposal of solutions entering waste water treatment facilities.



Easy to Prepare



Step 1

Fill a container with the appropriate volume of lukewarm tap water (30-35°C).



Step 2

Prepare the solution by adding 81 grams of Rely+On™ PeraSafe™ powder to every 5 litres of water.



Step 3

Stir until the powder dissolves to form a blue solution. Then leave for 10-15 minutes to allow the disinfectant to fully activate.



Step 4

Check solution is at correct level of efficacy prior to use using a Rely+On™ PeraSafe™ Test Strip.

Virucidal Efficacy

The tables below summarise independent efficacy data of Rely+On™ PeraSafe™ against the important disease-causing pathogens affecting human health.

Organism	Strain	Test Protocol	Contact Time	Log Reduction
Adenovirus	Type 2	USA EPA 40 part 158	10 minutes	>6 log
Adenovirus	Type 5	EN 14476	5 minutes	>4 log
Hepatitis B	DHBV strain	EN 14476	10 minutes	>4 log
Hepatitis C	BVD surrogate strain	EN 14476	10 minutes	>4 log
HIV	HTLV-IIIB	USA EPA 40 part 158	5 minutes	>4 log
Poliovirus	Type 1	EN 14476	5 minutes	>4 log

Mycobactericidal Efficacy

Organism	Strain	Test Protocol	Contact Time	Log Reduction
Mycobacterium tuberculosis	H37Rv NCTC 7416	HIRL (Carrier Test)	1 minutes	>5 log
Mycobacterium terrae	ATCC 15769	EN 14563	30 minutes	>5 log
Mycobacterium avium	ATCC 15755	EN 14563	30 minutes	>5 log
Mycobacterium terrae	NCTC 10856	EN 14348	10 minutes	>5 log

Bactericidal Efficacy

Organism	Strain	Test Protocol	Contact Time	Log Reduction
Campylobacter jejuni	Wild strain	EN 1276	5 minutes	>5 log
Escherichia coli	NCTC 12900	EN 1276	5 minutes	>5 log
Enterococcus hirae	NCTC 12367	EN 13727	5 minutes	>5 log
Enterococcus hirae	ATCC 10541	EN 14561	30 minutes	>5 log
Klebsiella aerogenes	NCTC 9528	EN 1276	5 minutes	>5 log
Staphylococcus aureus	MRSA NCTC 12493	EN 1276	5 minutes	>5 log
Staphylococcus aureus	EMRSA type 15	EN 1276	5 minutes	>5 log
Staphylococcus aureus	NCTC 10788	EN 13727	5 minutes	>5 log
Staphylococcus aureus	ATCC 6538	EN 14561	30 minutes	>5 log
Salmonella typhimurium	Phage type 104	EN 1276	5 minutes	>5 log
Pseudomonas aeruginosa	NCTC 6749	Endoscope in-use trial	4 minutes	>7 log
Pseudomonas aeruginosa	NCTC 6749	EN 1276	5 minutes	>5 log
Pseudomonas aeruginosa	NCTC 6749	EN 13727	5 minutes	>5 log
Pseudomonas aeruginosa	ATCC 15442	EN 14561	30 minutes	>5 log

Bactericidal Spore Efficacy

Organism	Strain	Test Protocol	Contact Time	Log Reduction
Bacillus subtilis var niger (spores)	NCTC 10073	Suspension	1 minutes	>6 log
		Surface	2 minutes	>5 log
Bacillus subtilis var niger (spores)	NCTC 10073	EN 1276 (modified)	5 minutes	>6 log
Bacillus subtilis var niger (spores)	NCTC 10073	EN 13704 (modified)	5 minutes	>4 log
Clostridium difficile	Stool isolate	Surface	10 minutes	>6 log

Full copies of the independent test data summarised above are available upon request from Lanxess.



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