

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 by various global reference testing laboratories.

In 10 minutes or less, Rely+On™ PeraSafe™ is shown to be fully effective against many key medical pathogen types, including Mycobacterium sp. and Clostridium difficile (spores). These results clearly demonstrate Rely+On™ PeraSafe™'s rapid biocidal action and suitability for use in medical device disinfection.

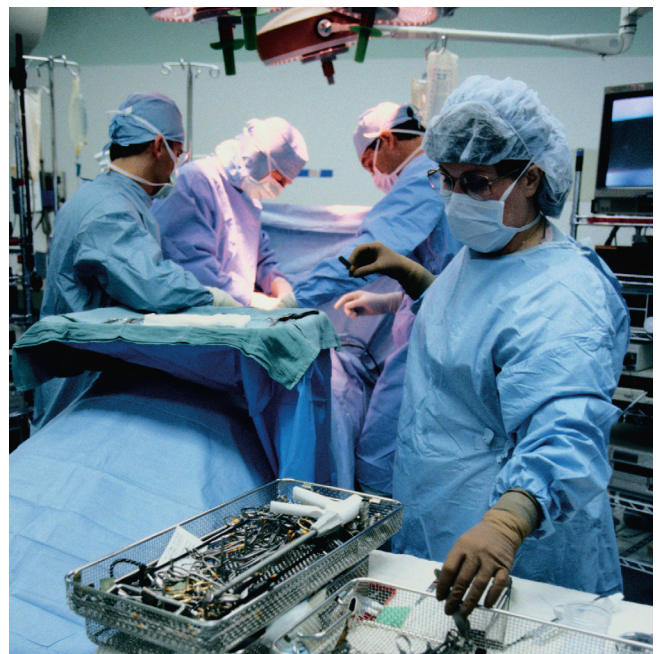
Medical Device Compatibility

Rely+On™ PeraSafe™ is compatible with rigid and flexible endoscopes, catheters, transducers and other thermolabile instruments and equipment.* 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 Netherlands (Notified Body No. 2797) (CE Certificate No. 01455).



* Contact Antec International Ltd for further details.

Operator Safety

Rely+On™ PeraSafe™ is not classified as a sensitizer in both the powdered form, and the 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

Solutions of Rely+On PeraSafe can be used for up to 20 immersions or 12 hours (when stored between 15-25°C). Unused or inactive solutions may be disposed of via the normal waste water discharge channels*.

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

| Pack Size | Volume of disinfectant solution |
|--------------------|---------------------------------|
| 16.2 gram (sachet) | 1 litre |
| 81 gram (bottle) | 5 litres |
| 162 gram (bottle) | 10 litres |
| 810 gram (bottle) | 50 litres |

* Always check and observe the local site requirements concerning the disposal of solutions entering waste water treatment facilities. Operatives should always further check that the quantity of powder to be added is appropriate to the volume of water used - always refer to the instructions in the product instruction for use leaflet.



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 15 minutes to allow the disinfectant solution to fully activate.

The tables below summarise independent efficacy data of Rely+On™ PeraSafe™ against the important disease-causing organisms of concern for disinfection of medical instruments.

Virucidal Efficacy

| Organism | Strain | Test Protocol | Contact Time | Log Reduction |
|------------------|----------------------|---------------------|--------------|---------------|
| 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-IIIIB | USA EPA 40 part 158 | 5 minutes | >4 log |
| Poliovirus | Type 1 | EN 14476 | 5 minutes | >4 log |
| Murine norovirus | s99 | EN 14476 | 10 minutes | >4 log |

Mycobactericidal Efficacy

| Organism | Strain | Test Protocol | Contact Time | Log Reduction |
|----------------------|------------|---------------|--------------|---------------|
| Mycobacterium terrae | ATCC 15769 | EN 14563 | 10 minutes | >4 log |
| Mycobacterium avium | ATCC 15755 | EN 14563 | 10 minutes | >4 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 | 10 minutes | >5 log |
| Enterococcus hirae | ATCC 10541 | EN 14561 | 10 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 | 10 minutes | >5 log |
| Staphylococcus aureus | ATCC 6538 | EN 14561 | 10 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 13727 | 10 minutes | >5 log |
| Pseudomonas aeruginosa | ATCC 15442 | EN 14561 | 10 minutes | >5 log |

Bactericidal Spore Efficacy

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

Yeasticidal Efficacy

| Organism/Disease | Strain | Test Protocol | Contact Time | Log Reduction |
|------------------|------------|---------------|--------------|---------------|
| Candida albicans | ATCC 10231 | EN 13624 | 10 minutes | >4 log |
| Candida albicans | ATCC 10231 | EN 13624 | 60 minutes* | >4 log |
| Candida albicans | ATCC 10231 | EN 14562 | 30 minutes | >4 log |

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



Antec International Limited
 Windham Road, Chilton Industrial Estate
 Sudbury, Suffolk CO10 2XD, United Kingdom
 Tel: +44(0)1787 377305
 relyondisinfection@lanxess.com
 www.relyondisinfection.com