



Coronavirus Decontamination Solutions

Blue Square Solutions
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endurocide.com



Helping you and your business to maintain effective hygiene and infection control standards

As we transition out of lockdown and into a 'new normal', Bio Technics are here to help keep you, the people around you and your environment safe and free from harmful pathogens.

Whether you are a health care organisation, school, food processor or caterer, we have a range of high performance products that have been tested extensively to BS EN Standards.



Hand & Skin Hygiene

Enduro Hand Sanitiser	Alcohol free hand & skin hygiene	4-5
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Hospital Disposable Curtains

Endurocide® Antimicrobial & Sporocidal Curtains		
	Biocidally treated & effective for up to 2 years - no need for washing	7

Surface Cleaning & Disinfection

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For further information on our range of biocidal products,
please visit www.endurocide.com

Application areas

- Hospitals, clinics & nursing homes
- Home care & ambulances
- Opticians, dentists & chiropodists
- Catering & kitchens
- Nurseries & playgroups
- Schools & colleges
- Desktops, phones & keyboards
- Chemist OTC sales
- Travel shops & supermarkets
- Shopping & eating out
- At work & commuting
- Before & after eating
- Before & after visiting the toilet



Features & benefits

- Bactericidal
- Fungicidal
- Virucidal*
- Alcohol free
- Solvent free
- Fragrance free
- Kills up to 99.9999% of bacteria - starts working in seconds
- >99.8% inactivation of Bovine Coronavirus in 30 seconds
- Dries on skin quickly - with no sticky residue
- Dermatologically tested - 96 hour skin patch test and shown to be suitable for everyday repeated use
- Naturally moisturises - leaves skin clean and refreshed
- Long lasting protection - proven efficacy up to 4 hours after application
- Sporidically active - meets International standard EN 13704
- Waterless - no rinsing required after use
- Available on the NHS Supply Chain

Test results

Tested according to International Standards:

	Pathogen	Standard	Test Time
Viruses	Bovine Coronavirus	EN 14476**	30 sec.
	H1N1 Swine Flu	EN 14476**	1 min.
Bacteria	<i>Escherichia coli</i>	EN 1276	45 sec.
	Methicillin-resistant <i>S.aureus</i>	EN 1276	1 min.
	<i>Salmonella enteritidis</i>	EN 1276	1 min.
	<i>Salmonella typhimurium</i>	EN 1276	45 sec.
Spores	<i>Clostridium difficile</i>	EN 13704	60 min.
Fungi	<i>Aspergillus niger</i>	EN 1650	5 min.
	<i>Candida albicans</i>	EN 1275	15 min.

Other results

- Dermatologically tested: 96 hour skin patch test done on 30 volunteers
- Effective in 30 seconds: Tested against bacteria and shown to be highly effective after 30 seconds
- Meets EN 14561: Tested according to and meets the requirements of European medical disinfection standard EN 14561
- 2 hour residuality: Tested against bacteria, fungi and spores and shown to provide up to 99.99% protection 2 hours after application.
- 4 hour residuality: Tested against bacteria and shown to provide up to 99.8% protection 4 hours after application.

* Tested against enveloped viruses only

** Screen testing only

Enduro Hand Sanitiser vs. alcohol hand gels

Efficacy

Enduro Hand Sanitiser is an alcohol free, water based product. It has been independently tested and shown to inactivate Coronavirus with 99.9% inactivation in 30 seconds - similar to the results obtained with alcohol gel.

Dermatology

As we get older, our skin gets thinner and contains less fat. The regular use of alcohol gels can lead to drying, redness and cracking.

Enduro Hand Sanitiser has been fully dermatologically tested using the patch test method on 30 different skin types over 96 hours and found to be skin safe and suitable for repeated use with no adverse effect.

Legislation

Enduro Hand Sanitiser is sold as an Over the Counter (OTC) product in chemists and other retailers.

The active ingredient in Enduro Hand Sanitiser is fully listed under the European Biocidal Product Regulation (BPR).

In most countries worldwide, compliance with the BPR is accepted as an alternative for Over the Counter (OTC) sales to alcohol gels.

WHO hand cleaning advice

- Dispense sufficient sanitiser to cover all hand surfaces.
- Rub hands palm to palm.
- Place left palm over back of right hand with fingers interlaced, then vice versa.
- Place palms together with fingers interlaced.
- Clasp hands together with fingers interlocked.
- Close right hand over left thumb and rub rotationally, then vice versa.
- Clasp fingers of right hand and rub rotationally in left hand, then vice versa.
- Grasp left wrist with right hand and rub rotationally, then vice versa.

Pack sizes

Dispenser bottles

Description	Case size	Order code
50ml foam pump dispenser	Case of 12	HS-50F
100ml foam pump dispenser	Case of 20	HS-100F
150ml foam pump dispenser	Case of 20	HS-150F
200ml foam pump dispenser	Case of 16	HS-200F
250ml foam pump dispenser	Case of 16	HS-250F
500ml foam pump dispenser	Case of 12	HS-500F
750ml foaming trigger sprays	Case of 12	HS-750TS

Dispenser refills

Description	Case size	Order code
1 Litre bottles	Case of 6	HS-1L-RF6
1 Litre bottles	Case of 12	HS-1L-RF
5 Litre container	Case of 2	HS-5L-RF2
5 Litre container	Case of 4	HS-5L-RF

Wall-mounted dispenser & refills

Description	Case size	Order code
Automatic dispenser (1 Litre capacity)	Sold individually	AUTW-1000P
1 Litre pouch refill for AUTW-1000P	Case of 12	AUTW-1000P-HS
Institutional manual dispenser (1 Litre cap.)	Sold individually	MANW-INST
1 Litre pouch refill for MANW-INST	Case of 12	MANW-INST-HS
Manual dispenser (0.8 Litre capacity)	Sold individually	MANW-800P
0.8 Litre pouch refill for MANW-800P	Case of 12	MANW-800P-HS

Bulk containers

Description	Case size	Order code
20 Litre container	Sold individually	HS-20
200 Litre drum	Sold individually	HS-200
1000 Litre IBC	Sold individually	HS-1000

Also available as a concentrate (1:4 dilution)

Description	Case size	Order code
200 Litre drum	Sold individually	HS-C-200
1000 Litre IBC	Sold individually	HS-C-1000

Application areas

- Hospitals
- Nursing homes
- Home care
- Before meal cleansing
- Ideal for bedbound patients
- Replaces the need for detergent wipes



* Tested against enveloped viruses only

** Screen testing only

Features & benefits

- Bactericidal
- Fungicidal
- Virucidal*
- Alcohol free
- Solvent free
- Fragrance free
- Designed for use as a:
 - Hand wipe
 - Skin cleansing wipe
 - Bed bath wipe
 - Continence wipe
- 4-in-1 application removes the need for multiple products
- Skin safe - dermatologically tested using 96 hour skin patch test
- Sporidically active - meets International standard EN 13704
- Long lasting - proven biocidal activity up to 4 hours after application
- Manufactured from strong and absorbent fabric
- Dries on skin quickly - with no sticky residue

Test results

Tested according to International Standards:

	Pathogen	Standard	Test Time
Viruses	Bovine Coronavirus	EN 14476**	30 sec.
	H1N1 Swine Flu	EN 14476**	1 min.
Bacteria	<i>Escherichia coli</i>	EN 1276	45 sec.
	Methicillin-resistant <i>S.aureus</i>	EN 1276	1 min.
	<i>Salmonella enteritidis</i>	EN 1276	1 min.
	<i>Salmonella typhimurium</i>	EN 1276	45 sec.
Spores	<i>Clostridium difficile</i>	EN 13704	60 min.
Fungi	<i>Aspergillus niger</i>	EN 1650	5 min.
	<i>Candida albicans</i>	EN 1275	15 min.

Other results

- Dermatologically tested: 96 hour skin patch test done on 30 volunteers
- Effective in 30 seconds: Tested against bacteria and shown to be highly effective after 30 seconds
- Meets EN 14561: Tested according to and meets the requirements of European medical disinfection standard EN 14561
- 2 hour residuality: Tested against bacteria, fungi and spores and shown to provide up to 99.99% protection 2 hours after application.
- 4 hour residuality: Tested against bacteria and shown to provide up to 99.8% protection 4 hours after application.

Pack sizes

Description	Wipe size	Case size	Order code
Tub of 200 wipes	130 x 130mm	12 per case	ESW-200T
Bucket of 225 wipes	240 x 250mm	Sold individually	ESW-225B
Refill for bucket of 225 wipes	240 x 250mm	6 per case	ESW-225RF
Flowrap of 40 wipes	180 x 185mm	30 per case	ESW-40F

Efficacy of Endurocide® Antimicrobial & Sporidical Curtains against Coronavirus

Coronavirus is an enveloped virus of the family Coronaviridae. Enveloped viruses can be highly infectious but are not particularly difficult to kill and as such are susceptible to a broad range of disinfectants.

Our Antimicrobial & Sporidical Curtains have not, at time of publication, been tested against Coronavirus. However, the biocide used to treat the curtains has been tested to international standard EN 14476 and proven to be effective against:

- **H1N1 Influenza A Virus (Swine Flu):**
>99.999% inactivation in 5 minutes
- **Measles morbillivirus:**
>99.99% inactivation in 5 minutes

Both H1N1 Swine Flu and Measles are enveloped viruses – like Coronavirus. The biocidal action of the curtain treatment liquid damages the virus's cell by puncturing its envelope, causing it to leak and rendering the virus unable to replicate. Once a virus is unable to replicate, it cannot spread and so is no longer a threat.

It is generally accepted that if a product is proven to be active against one enveloped virus, there is a high probability that the product will be effective against similar viruses. As both H1N1 Swine Flu and Measles are enveloped viruses like Coronavirus, it is likely that Endurocide® Antimicrobial & Sporidical Curtains will also be effective against Coronavirus.

At time of writing (June 2020), international testing standards are being put in place to verify this statement.



Endurocide® Antimicrobial & Sporidical Curtains significantly reduce the risk of Hospital Acquired Infections (HAIs) being transferred via curtains by care workers, patients and visitors.

Features & benefits

- Helps break the chain of infection
- Tested to international standards against:
 - bacteria
 - fungi
 - mycobacteria
 - enveloped viruses
- Proven to be biocidally active for up to 24 months
- No track conversion
- No laundering
- 100% recyclable
- Lightweight
- Fitted with tiebacks & self-auditing privacy labels
- Fire retarded to international standards

Test results

Tested according to International Standards:

Viruses	H1N1 Swine Flu	Measles morbillivirus
Spores	<i>C.difficile</i>	
Fungi	<i>Aspergillus niger</i>	<i>Candida albicans</i>
	<i>Candida auris</i>	
Mycobacteria	<i>Mycobacteria tuberculosis</i>	
Bacteria	<i>Acinetobacter baumannii</i>	<i>Enterococcus hirae</i>
	<i>Escherichia coli</i>	ESBL <i>Escherichia coli</i>
	ESBL <i>Klebsiella pneumoniae</i>	<i>Klebsiella pneumoniae</i>
	Methicillin-resistant <i>S.aureus</i>	<i>Pseudomonas aeruginosa</i>
	<i>Salmonella choleraesuis</i>	<i>Salmonella typhimurium</i>
	Vancomycin-resistant <i>Enterococcus faecalis</i>	

International peer reviews

- **2 year efficacy:** Published in the American Journal of Infection, an evaluation of the bactericidal efficacy of Endurocide® Antimicrobial & Sporidical Curtains 24 months after installation in a hospital ward.
- **UK NHS report:** Evaluation by an NHS hospital trust in England comparing Endurocide® Antimicrobial & Sporidical Curtains against traditional polyester curtains in use across two wards over an 8 week period.

For full testing information, please contact us.

Options

- 2 standard heights
- 2 types of mesh type
- 3 standard widths
- 8 types of hook
- 8 standard colours
- 2 printed designs

For further information, search Endurocide Curtains

Application areas

- Ideal for deep cleaning
- Catering operations, front & back of house
- Kitchens, food trays & probes
- Food processing surfaces
- Health care environments
- Nursing and care homes
- Domestic application
- Nurseries, schools, colleges & universities
- Washrooms furniture, sinks & taps
- Open plant, sanitation tunnels and fogging



An innovative, internationally accredited hard surface cleaner and disinfectant, ideal for use on all hard surfaces in kitchens, high-risk food preparation areas or anywhere requiring a high level of cleanliness and hygiene.

Features & benefits

- Versatile multi-surface cleaner and disinfectant
- Quat (QAC) free - no residue and no rinsing required
- Bactericidal and fungicidal - exceeds EN 13697 under dirty conditions
- Up to 99.9999% kill rates against bacteria in 2 minutes
- No need for pre-cleaning surfaces - cleans and disinfects in one easy step, even in dirty conditions
- Fragrance free, odourless and taint-free
- No hazardous labelling
- Food safe - no Maximum Residue Level (MRL)*
- Free of PHMB (Biguanide) aldehydes, halogens & oxidisers
- Non-skin irritating and non-sensitising
- Formulation prevents water staining on surfaces
- Biocidal active supported under the BPR
- Available as ready to use liquid, concentrate or in wipes

Test results

Tested according to International Standards:

	Pathogen	Standard	Test Time
Bacteria	<i>Campylobacter jejuni</i>	EN 13697	3 min.
	<i>Enterococcus hirae</i>	EN 1276	5 min.
	<i>Enterococcus hirae</i>	EN 13697	2 min.
	<i>Escherichia coli</i>	EN 1276	5 min.
	<i>Escherichia coli</i>	EN 13697	2 min.
	<i>Legionella pneumophila</i>	EN 13697	5 min.
	<i>Listeria monocytogenes</i>	EN 13697	2 min.
	<i>Staphylococcus aureus</i>	EN 13697	2 min.
	<i>Pseudomonas aeruginosa</i>	EN 1276	5 min.
	<i>Pseudomonas aeruginosa</i>	EN 13697	3 min.
	<i>Salmonella enteritidis</i>	EN 13697	2 min.
	<i>Staphylococcus aureus</i>	EN 1276	5 min.
	Vancomycin-resistant <i>Enterococcus</i>	EN 13697	2 min.
Fungi	<i>Aspergillus niger</i>	EN 13697	15 min.
	<i>Candida albicans</i>	EN 13697	5 min.

All testing carried out under dirty conditions.

Why you need to move away from Quat-based biocides

Quats, also called QACs, is the shortened term for Quaternary Ammonium Compounds. Quats are a commonly used and popular type of biocide found in many disinfectant products.

With the implementation of the European Biocidal Products Register (BPR) in 2012, all biocides became more controlled; as part of this, Quats were given a Maximum Residue Level (MRL). A biocide's MRL is the level of biocidal residue that is allowed to remain on food products before it is considered to be of concern to the health of humans, animals and the environment.

Quats stick to surfaces and substrates to leave a residue. Hence, specifically in areas that handle food, the use of disinfectants that contain Quats is restricted.

High-performance cleaning and disinfection solution QFD utilises the latest technology available in the market place. QFD contains no Quats and leaves no residue and is therefore safe to use in the food and catering industries:

- no rinsing required
- no MRL

Pack sizes

Ready to use (5% dilution)

Description	Case size	Order code
750ml trigger sprays	Case of 12	QFD-75TS
1 Litre trigger sprays	Case of 12	QFD-1TS
5 Litre container	Case of 2	QFD-2X5
5 Litre container	Case of 4	QFD-4X5
20 Litre container	Sold individually	QFD-20
200 Litre drum	Sold individually	QFD-200
1000 Litre IBC	Sold individually	QFD-1000

Concentrate (dilute at 5% or 1 part to 19 parts water)

Description	Case size	Order code
5 Litre container	Case of 2	QFD-C-2X5
5 Litre container	Case of 4	QFD-C-4X5
20 Litre container	Sold individually	QFD-C-20
200 Litre drum	Sold individually	QFD-C-200
1000 Litre IBC	Sold individually	QFD-C-1000

Wipes

Description	Wipe size	Case size	Order code
Tub of 200 probe wipes	130 x 130mm	12 per case	QFD-W-200
Bucket of 225 wipes	240 x 250mm	Sold individually	QFD-W-225

AntiBak Tablets Hard Surface Disinfectant

Application areas

- Terminal High Level Disinfection
- Decontamination of small scale hazardous spills
- Disinfection of food trays
- Front of house catering disinfection
- General purpose surface disinfection in hospitals, care homes & catering operations
- *Legionella* decontamination of shower heads



* Screen testing only

** Testing done using 2 tablets in 500ml of water

Features & benefits

- Highly effective against viruses - Log 8 kill rate in 60 seconds against non-enveloped Murine Norovirus!
- Bactericidal • Fungicidal • Virucidal
- Guaranteed correct dilution, every time: use 1 tablet in 500ml water
- Tested and shown to have no potential to taint food
- Removes the need to store and handle liquid chemicals
- Low hazard - once diluted, classified as an eye irritant
- Chlorine free with no fragrance or odour
- Available with trigger spray - reducing plastic wastage by +80%

Test results

Tested according to International Standards:

	Pathogen	Standard	Test Time
Viruses	Norovirus	EN 14476	1 min.
	H1N1 Swine Flu	EN 14476*	5 min.
	HIV	Independent	2.5 min.
	Hepatitis C**	Independent	10 min.
Bacteria	<i>Campylobacter jejuni</i>	EN 1276	1 min.
	<i>Enterococcus hirae</i>	EN 1276	1 min.
	<i>Escherichia coli</i>	EN 1276	1 min.
	<i>Klebsiella pneumoniae</i>	EN 1276	1 min.
	<i>Legionella pneumophila</i>	EN 13727	1 min.
	<i>Listeria monocytogenes</i>	EN 1276	1 min.
	Methicillin-resistant <i>S.aureus</i>	EN 1276	1 min.
	<i>Pseudomonas aeruginosa</i>	EN 1276	1 min.
	<i>Salmonella enteritidis</i>	EN 1276	1 min.
Fungi	<i>Aspergillus niger**</i>	EN 1650	15 min.
	<i>Candida albicans</i>	EN 1650	10 min.

Other results

- BS ISO 4120-2004: Tested at Campden & Chorleywood Food Research Association Group using the Triangle Test Method TES-S-004 to determine whether the product has the potential to taint food (pass)
- 7 day active solution: Solution made up and tested daily for seven days using EN 1276 against *E.coli* (pass)

All testing carried out using 1 tablet in 500ml of water unless otherwise stated.

Pack sizes

Description

Tub of 100 x 5g tablets

Case size

Sold individually

Order code

AB-T-100

Application areas

- Washroom furniture, sinks & taps
- Door handles & light switches
- HVAC systems
- Foot mats
- Equipment
- Cold stores
- Difficult to access areas

Note: not recommended for use on food contact areas.



* Tested against enveloped viruses only

** Diluted at 5%

*** Screen testing only

Features & benefits

- Tested and proven to be effective 28 days after application!
- Bactericidal • Fungicidal • Virucidal*
- Biostatic protection - protects surfaces by providing a biostatic layer which pathogens cannot penetrate nor multiply on
- Free from chlorine, bleach and alcohol
- Low hazard - once diluted, requires no hazard classification**
- Suitable for use with spray and electrostatic applicators
- Available as concentrate or ready to use.
- Dilute at 1:4 (20%) for Intermediate level disinfection or 1:19 (5%) for Low level disinfection.

Test results

Tested according to International Standards:

	Pathogen	Dilution	Standard	Test Time
Viruses	H1N1 Swine Flu	25%	EN 14476***	5 min.
Bacteria	<i>Campylobacter jejuni</i>	4%	EN 1276	1 min.
	<i>Enterococcus hirae</i>	4%	EN 1276	5 min.
	<i>Escherichia coli</i>	4%	EN 1276	5 min.
	<i>Klebsiella pneumoniae</i>	4%	EN 1276	1 min.
	<i>Legionella pneumophila</i>	10%	EN 13727	10 min.
	<i>Pseudomonas aeruginosa</i>	20%	EN 1276	1 min.
	<i>Salmonella enteritidis</i>	4%	EN 1276	1 min.
	<i>Salmonella typhimurium</i>	4%	EN 1276	5 min.
	<i>Staphylococcus aureus</i>	4%	EN 1276	5 min.
	Vancomycin-resistant <i>E.faecalis</i>	20%	EN 1276	1 min.
Fungi	<i>Aspergillus niger</i>	20%	EN 1650	15 min.
	<i>Candida albicans</i>	20%	EN 1650	15 min.

Other results

- 28 days residuality: Tested against *E.coli* and *Listeria monocytogenes* and proven to remain effective 28 days after application.
- 7 days residuality: Tested against six types of bacteria and fungi and proven to remain effective after 24 hours, 48 hours and 7 days.

Pack sizes

Concentrate	Case size	Order code	Ready to use (20% dilution)	Case size	Order code
5 Litre container	Case of 2	AB-RES-2X5	1 Litre trigger sprays	Case of 12	AB-RES-RTU1
5 Litre container	Case of 4	AB-RES-4X5	5 Litre container	Case of 2	AB-RES-RTU2X5
20 Litre container	Sold individually	AB-RES-20	5 Litre container	Case of 4	AB-RES-RTU4X5
200 Litre drum	Sold individually	AB-RES-200	20 Litre container	Sold individually	AB-RES-RTU20
1000 Litre IBC	Sold individually	AB-RES-1000			

Application areas

- High Level Disinfection applications in non-food areas
- Hospitals & healthcare
- Institutional & industrial areas
- Surfaces, tools & equipment
- Travel: boats, buses, planes & trains
- Leisure: sports centres, football stadiums & theme parks



Features & benefits

- Bactericidal
- Fungicidal
- Virucidal
- Fully tested to International Standard EN 14476 against non-enveloped viruses: Adenovirus, Poliovirus & MNV Norovirus
- Fully tested to International Standard EN 14476 against enveloped viruses including Coronavirus
- Tested under dirty conditions against bacteria and fungi

Test results

Tested according to International Standards:

	Pathogen	Standard	Test Time
Viruses	Adenovirus	EN 14476	15 min.
	Poliovirus	EN 14476	15 min.
	Murine Norovirus	EN 14476	5 min.
Bacteria	<i>Enterococcus hirae</i>	EN 1276	5 min.
	<i>Enterococcus hirae</i>	EN 13727	1 min.
	<i>Enterococcus hirae</i>	EN 13697	5 min.
	<i>Escherichia coli</i>	EN 1276	5 min.
	<i>Escherichia coli</i>	EN 13697	5 min.
	<i>Listeria monocytogenes</i>	EN 13697	5 min.
	<i>Pseudomonas aeruginosa</i>	EN 1276	5 min.
	<i>Pseudomonas aeruginosa</i>	EN 13727	1 min.
	<i>Pseudomonas aeruginosa</i>	EN 13697	5 min.
	<i>Salmonella typhimurium</i>	EN 13697	5 min.
	<i>Staphylococcus aureus</i>	EN 1276	5 min.
	<i>Staphylococcus aureus</i>	EN 13727	1 min.
<i>Staphylococcus aureus</i>	EN 13697	5 min.	
Fungi	<i>Aspergillus niger</i>	EN 1650	15 min.
	<i>Aspergillus niger</i>	EN 13697	15 min.
	<i>Candida albicans</i>	EN 1650	15 min.
	<i>Candida albicans</i>	EN 13624	5 min.
	<i>Candida albicans</i>	EN 13697	15 min.

Application advice

- Available as ready to use liquid or as a concentrate (for dilution at 5% or 1 part to 19 parts water)
- Exhibits excellent cleaning properties - for best results and for High Level Disinfection, pre-cleaning of surfaces is recommended
- Can be applied on surfaces by mop, wipe, lance, spray and surface flooding or by immersion for tools and equipment

Pack sizes

Concentrate	Case size	Order code	Ready to use (5% dilution)	Case size	Order code
5 Litre container	Case of 4	EV-C-4X5	1 Litre trigger sprays	Case of 12	EV-RTU-1
20 Litre container	Sold individually	EV-C-20	5 Litre container	Case of 4	EV-RTU-4X5
200 Litre drum	Sold individually	EV-C-200	20 Litre container	Sold individually	EV-RTU-20
1000 Litre IBC	Sold individually	EV-C-1000			

Endurocide® Desktop Workspace Sanitising Foam

Surface Disinfection

Application areas

- Workspaces & desktops
- PC & laptops
- Computer mice
- Monitors
- Mouse mats
- Telephones, tablets & mobiles



Features & benefits

- Bactericidal
- Fungicidal
- Virucidal*
- Alcohol free
- Solvent free
- Fragrance free
- >99.8% inactivation of Bovine Coronavirus in 30 seconds
- Dries quickly - with no sticky residue
- Long lasting - proven efficacy up to 4 hours after application
- Apply foam onto surface, leave for at least 30 seconds then wipe

Test results

Tested according to International Standards:

	Pathogen	Standard	Test Time
Viruses	Bovine Coronavirus	EN 14476**	30 sec.
	H1N1 Swine Flu	EN 14476**	1 min.
Bacteria	<i>Escherichia coli</i>	EN 1276	45 sec.
	Methicillin-resistant <i>S.aureus</i>	EN 1276	1 min.
	<i>Salmonella enteritidis</i>	EN 1276	1 min.
	<i>Salmonella typhimurium</i>	EN 1276	45 sec.
Fungi	<i>Aspergillus niger</i>	EN 1650	5 min.
	<i>Candida albicans</i>	EN 1275	15 min.

Other results

- Effective in 30 seconds: Tested against bacteria
- 4 hour residuality: Provides up to 99.8% protection against bacteria

Pack sizes

Description	Case size	Order code
300ml trigger spray	Case of 12	EDT-300TS
1 Litre refill bottles	Case of 12	EDT-RF-1L

Endurocide® Disinfection Mat Biosecurity Mat

Surface Disinfection

Application areas

- Internal or external use
- Industrial / commercial buildings
- Domestic use



Features & benefits

- Practical biosecurity solution
- Designed for use as a building entrance mat
- Cleans and sanitises footwear
- Easy to clean and empty after use
- Sturdy one-piece PVC construction
- Holds up to 2 Litres of liquid disinfectant
- Recommended for use with **AntiBak Tablets** (see page 10)

Dimensions

- **Size:** 800 (L) x 550 (D) x 16 (H) mm
- **Weight:** 3.5 kg

The Importance of Effective Disinfection in Infection Control

1 Pathogens Overview

Infectious diseases are caused by pathogens, which include bacteria, fungi, spores and viruses.

Fig 1 illustrates the main pathogen groups. Some pathogens are difficult to kill; those at the bottom of the diagram are easier to kill than those at the top. Additionally, some pathogens have the capacity to survive on surfaces for days, weeks or even longer.

Reducing the number of pathogens in the health environment helps to break the chain of infection (Fig 2). To keep patients and people who work in the healthcare setting safe, it is of paramount importance that the infection control products used are as effective as possible, whilst at the same time being safe to use.

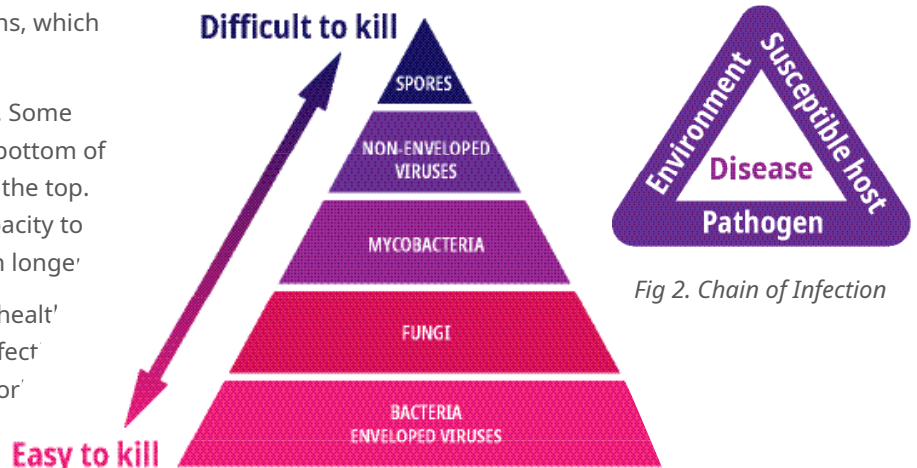


Fig 1. Pathogen Groups

Fig 2. Chain of Infection

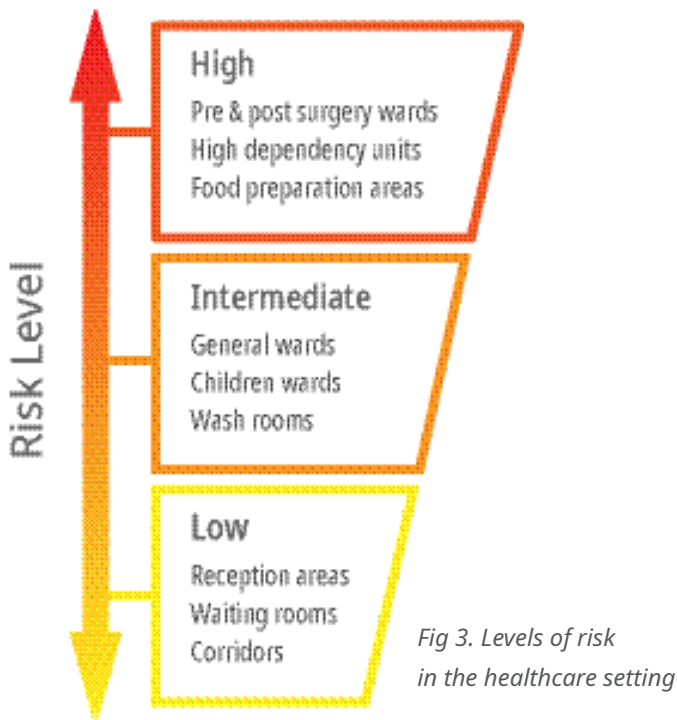


Fig 3. Levels of risk in the healthcare setting

3 The Solution

Reducing the number of pathogens in the healthcare environment is reliant on efficient cleaning protocols together with the use of effective products. 'Log Reduction' is an industry standard term which conveys how effective a product is at reducing pathogens (Fig 4). Often, products that are used for high level disinfection can be hazardous for the user and the environment.

Bio Technics is committed to developing market-leading products that are specially formulated to have high levels of performance yet are safe to use, with minimum impact on the environment and, are tested and accredited to the highest standards possible.

2 Prevalence of Infections

All people admitted to hospital and those who work in the healthcare sector are at some risk of contracting a Hospital Acquired Infection (HAI). Some people are more vulnerable than others (such as the elderly; those with lowered immunity / medical conditions and the very young). There are additional risk factors including:

- length of stay
- operation or surgical procedure
- hand hygiene discipline
- high-risk areas such as intensive care units (ICU) or high dependency units (HDU)

Fig 3 depicts which areas present a greater risk of acquiring HAIs.

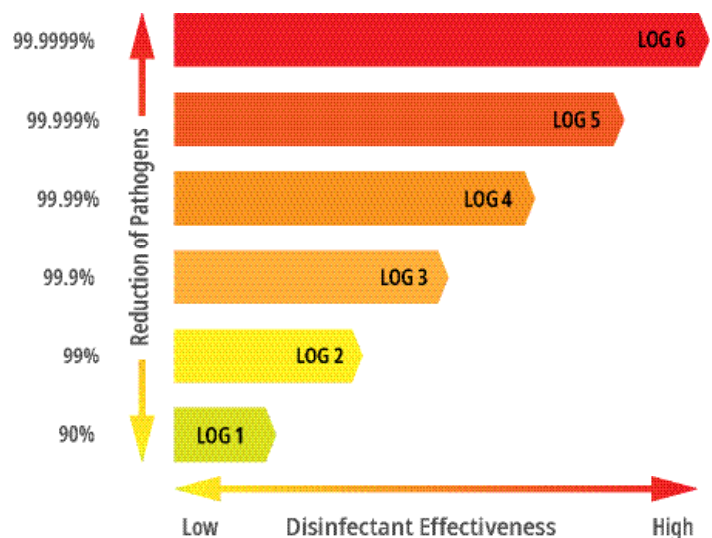


Fig 4. Log Reduction graphic

Our Green Credentials

Caring for the environment is tightly woven into our DNA.

Not only are our products carefully engineered to be highly effective with minimal impact on the environment, but our operations are also strictly monitored to make sure that we as a company, are as environmentally friendly as we can possibly be.

Our company values are simple:

- 100% product satisfaction - guaranteed
- Market-leading products - which are environmentally friendly
- Products tested and accredited to the highest possible standards
- World class customer service and distribution



Our commitment to effective, environmentally friendly products led to the creation of sporicidal products that are:

- **Water-based**
- **100% free from chlorine, peracetic, bleach & alcohol**
- **Tested and approved to international standards**



In 2019 we started to replace our forklift trucks with **electrically powered** ones to further **reduce emissions**



In 2018 we recycled **89.9%** of our waste

The national average is 44%

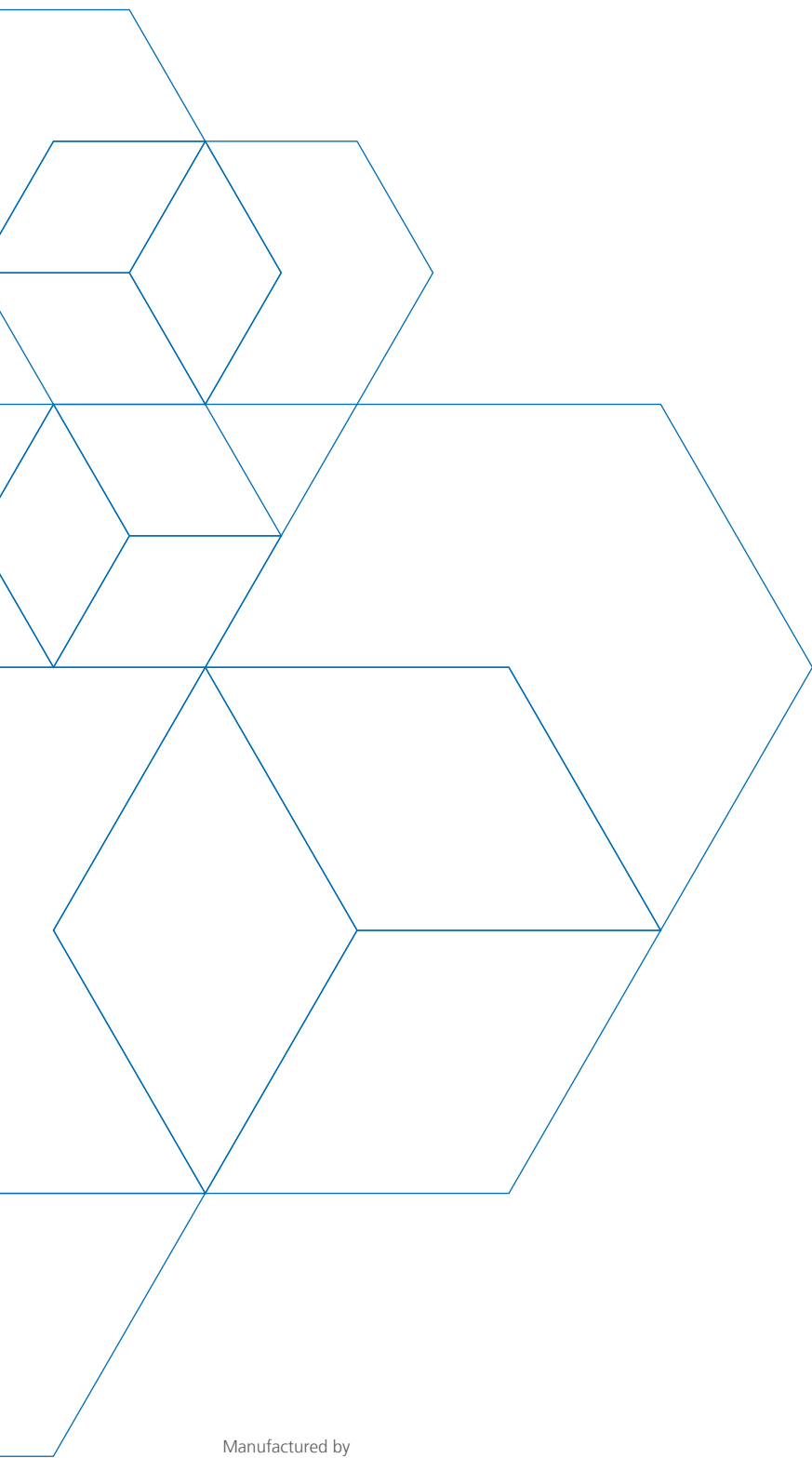


As of 2015 we were **10 years ahead** of 2025 Scottish Government recycling targets



The company's premises is heated using a biomass boiler and lit by **energy efficient** LED lighting





Manufactured by



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