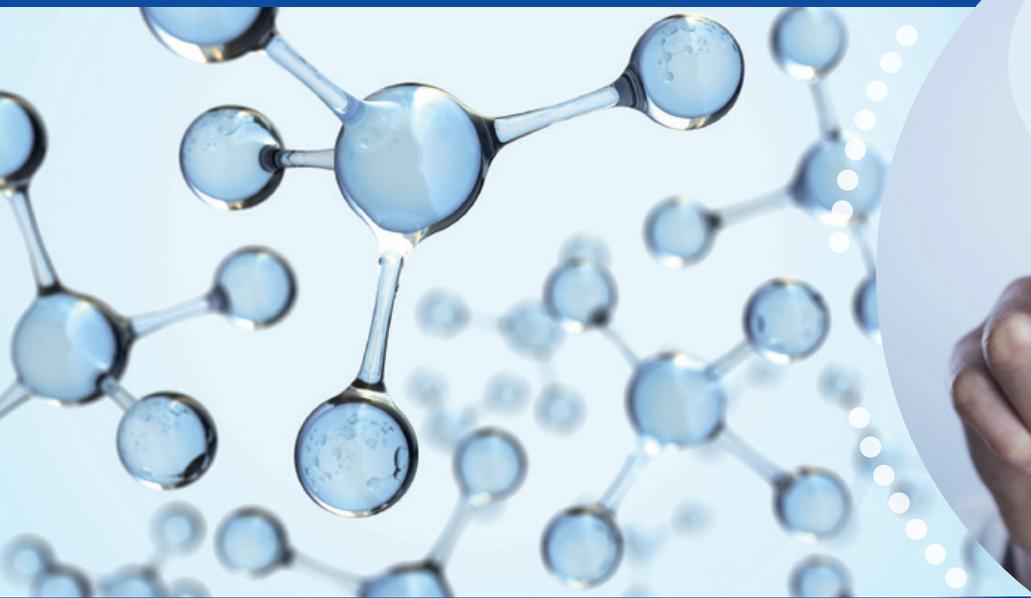




DISCOVER THE BIOGUARD DIFFERENCE

Hygiene, Cleaning and Infection Control



 **SCIENTIFICALLY PROVEN PROTECTION**
TRUSTED BY HEALTHCARE PROFESSIONALS

MADE IN THE UK 



**SCIENTIFICALLY
PROVEN
PROTECTION**

**TRUSTED BY
HEALTHCARE
PROFESSIONALS**

Introducing Bioguard

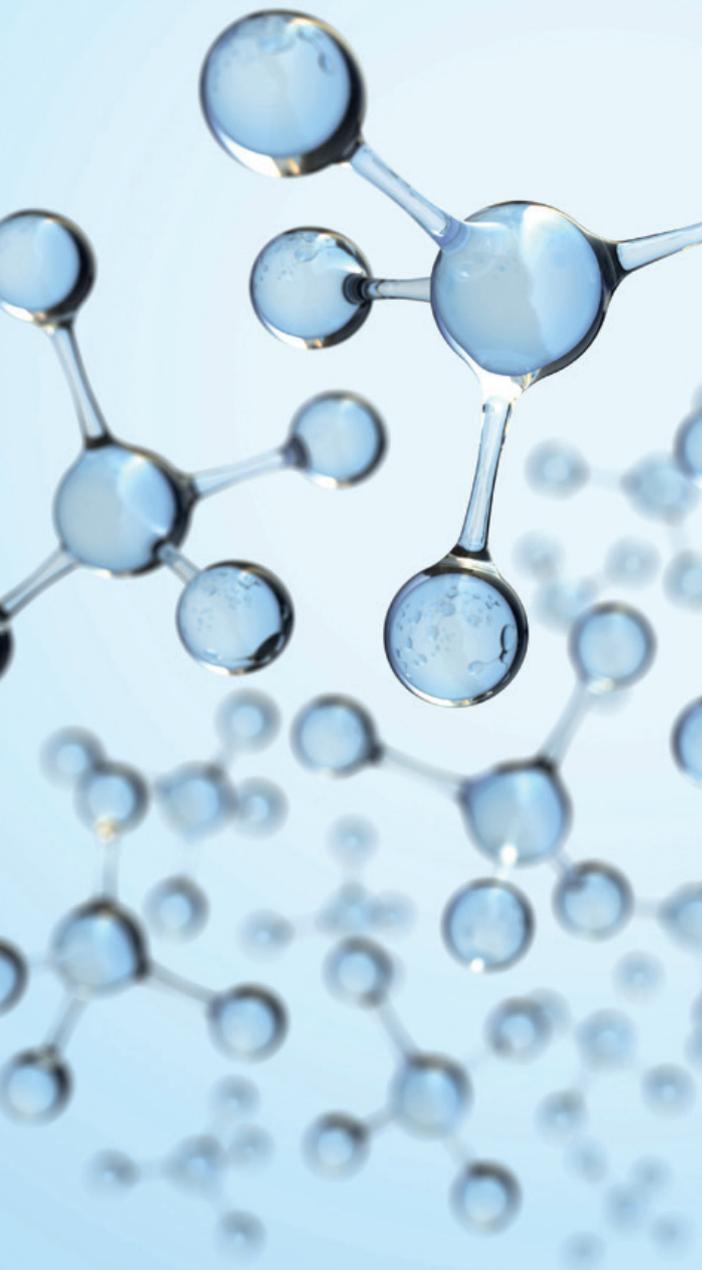
Bioguard is a privately owned family business with over 20 years' experience of developing class leading hygiene, cleaning and infection control products.

Our clients range from major multinationals through to small enterprises and start-ups in the healthcare sector across UK, Europe, and internationally.

We work with our customers to develop long term partnerships, to provide the end user with the most effective and safest hygiene and infection control solution, product training and technical support.

Over the years we have found that many of the more traditionally used hygiene, cleaning and infection control products do not perform satisfactorily in meeting users real needs.

To meet these needs, our in-house development team continue to work with leading product users to ensure our products give the ultimate protection for high risk environments, but are safe to use in any setting.



OUR PIONEERING PRODUCTS

- Clean and disinfect surfaces in high risk environments such as hospitals
- Clean, disinfect and protect the hands of employees, patients and customers
- Clean and disinfect equipment such as testing equipment in laboratories

All our products are powered by **biochem**, the unique compound we've created for effective, fast acting and safe high performance cleaning and disinfection. As a result, our products provide a range of unique benefits to the user.

UNIQUE PRODUCT BENEFITS

- Superior cleaning and disinfection capabilities
- User friendly and safe to use
- Independently tested by leading testing authorities
- Can be used on virtually any surface
- Zero alcohol content with no compromise on performance*
- Eco friendly and non hazardous

*Excluding Alcohol Hand Gel Sanitiser

Our products are used in over 10,000 healthcare sites throughout the UK, including the NHS



OUR PRODUCTS

Bioguard produce class-leading hygiene, cleaning and infection control products that are predominantly used within the healthcare sector, but are also suitable for any establishment that values the benefits of keeping their environment as clean and healthy as possible.



Surface Protection

Our highly effective disinfectant surface protection products are suitable for any environment including high risk areas, and can be used on all surfaces including equipment and most fabrics. Our range includes ready-to-use sprays, concentrated liquids and wipes.



Body Fluid Spill Clean Up

Our absorb powder will soak up to 300 times it's own weight in liquid, which combined with a bactericide makes it a safe and easy to use product to efficiently clean up body fluid spills in any environment.



Hand Sanitisers

We offer many options for on the go hand sanitisation including alcohol-free hand foam, alcohol gel with aloe vera and wipes. All options clean and disinfect hands and body, whilst caring for skin.



Equipment

Effective equipment cleaning is essential in high risk environments and our Disinfectant Surface Protection Solutions and Hand & Surface Wipes will do this to the highest standard.



Hand Wash

For hand cleaning with water we offer a medical grade hand scrub that's suitable for high risk areas, and anti-bacterial soaps for use in any environment. Both are highly effective and gentle on the skin.



Air Fresheners

Our 2-in-1 air freshener and disinfectant kills bacteria and unpleasant odours, whilst leaving a fresh floral scent.



EXCELLENCE IN PRODUCT DEVELOPMENT, MANUFACTURE AND QUALITY

We are a brand you can trust and work with, to improve hygiene and infection control.

Research and Development

Uniquely, all our products are researched, developed, formulated and manufactured in our two UK manufacturing facilities. Our continued significant investment in Research & Development means we are at the forefront of cleaning and hygiene research and as a result, trusted by healthcare professionals.

Manufacturing Excellence

We have full control over the entire research and development and manufacturing processes which ensures we produce the highest quality products made to our exacting quality standards as well as the latest ISO and GMP registration standards.

Regulatory Compliance

We employ some of the leading regulatory consultancies to ensure our products remain compliant with the ever-changing product standards in our sector, including compliance with the forthcoming European (EU) Biocidal Product Regulations (BPR). This ensures you can be confident we will provide you with the safest and most compliant range of products.

“

We have worked with Bioguard for over 10 years, and they have provided first class service in technical support, on time, and right first time delivery, and consistently rate as one of our top suppliers, which ensures that our clients receive the highest standard of hygiene products.

”

International First Aid Supplies Company

Product Performance Assurance

Unlike many major product suppliers, all our products have been independently tested by leading UK and European testing houses to give independent verification of our products' key performance claims. Details of these reports can be found at the back of this brochure.

The company is ISO 9001:2008 & GMP registered.

Innovative and Entrepreneurial

As we control the whole process, we can work with companies to develop new hygiene products and solutions. If you have an idea or project, contact us to discuss how we can help you. Alternatively, visit our website to see how we developed a bespoke product formulation and packaging for UK company Purehold.

Product Customisation

Our in-house team can also work with you to develop dual branded and white label products with customised packaging, where there is a need for a tailored product.



HOW OUR PRODUCTS WORK

Our products are powered by **biochem**, a unique compound we have created for high performance cleaning and disinfection. It works in three key stages.

This unique process enables our products to provide a powerfully effective, fast acting, and safe to use disinfectant cleaner that can be applied to virtually all contact surfaces around healthcare sector environments.

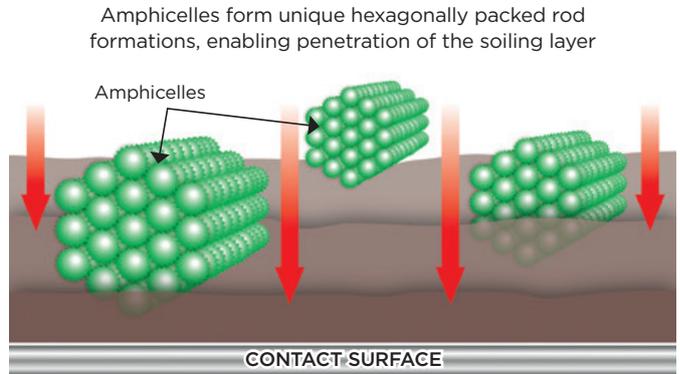
Visit

www.bioguardhygiene.com/video to see how **biochem** works.



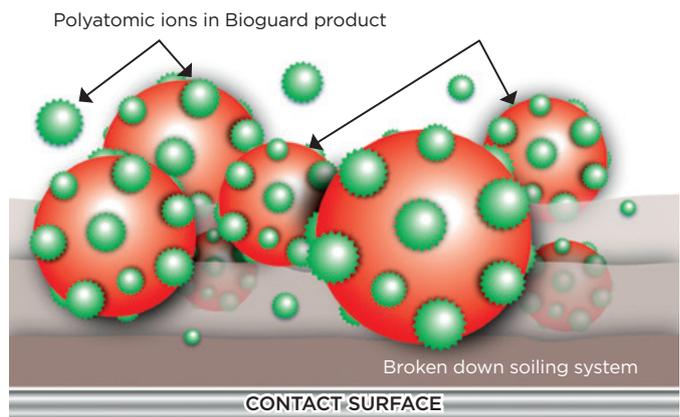
Stage One

Penetration and removal of soiling on contact surface



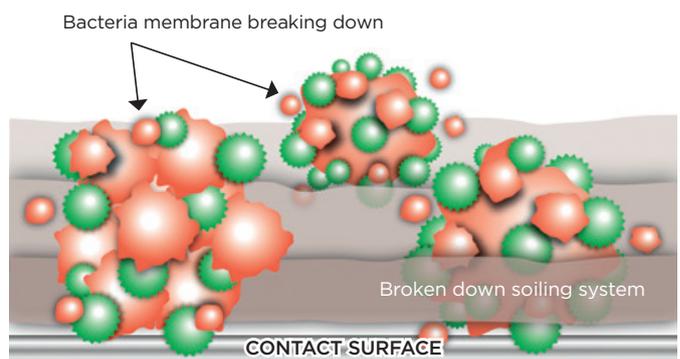
Stage Two

Penetration of micro-organism's protective shell



Stage Three

Disinfection of micro-organism



UNIQUE BENEFITS

Trusted – Used by healthcare professionals across the UK and Europe in high-risk environments.

Proven – Independently tested to the highest European and British standards against high-risk organisms.

Powerful – Microbiological efficacy means our products are effective against a wide variety of organisms such as Clostridium Difficile (spores & bacteria), Hepatitis, Tuberculosis, Norwalk virus, HIV, MRSA, and Avian Flu.

Alcohol free* – Ensuring product is gentle when in contact with skin and also meets certain users' religious observances.

pH neutral – No smell and no VOC releases in use, ensuring Health and Safety compliance and safe working environment.

Safe – Products are non-hazardous and non-toxic and have been MEA tested to ensure they are safe and will not harm users.

Fast – Effective in under 30 seconds.

Friendly – Eco-friendly and non-damaging to the environment.

Multi-surface – Usable on virtually all surfaces (including fabrics and furnishings), so can decontaminate whole environments without causing degradation to surfaces.

Efficient – Combined cleaning and disinfection capability eliminates the need for multiple products.

Reliable – Product will not be deactivated or ineffective in environments with high soiling levels.

Easy – Using one product eliminates the risk of operatives using the wrong product, or mixing products causing chemical reactions, and/or deactivating products.

Long lasting – Long shelf life of three years.

“

By using the Bioguard products, the infection control of the surgery is excellent, with no reported outbreak of disease or cross-infection. Also, there have not been any incidences of allergic reaction to any person using or coming into contact with this product.

UK GP Practice

”



*Excluding Alcohol Hand Gel Sanitiser

HYGIENE PROBLEMS AND BIOGUARD SOLUTIONS

It is vital to get hygiene and cleaning correct. Here are a few questions that we are asked on a regular basis along with our Bioguard solutions. If you have any other questions, please feel free to contact us.

Problem

Are all surfaces being effectively cleaned and disinfected?

- If products aren't suitable for all surfaces, it prevents the whole environment being disinfected.
- Products causing damage or degradation of surfaces and limiting quality of cleaning.

Solution

Bioguard products can be used on virtually any material including hard surfaces, fabrics and soft furnishings.

Hazardous products with health and safety risks causing skin irritation and sensitisation risk to users.

Bioguard products are non hazardous, safe to use and formulated to prevent skin irritation. Many products have been Dermatologically tested.

Many cleaning products contain alcohol which increases the likelihood of skin irritation and isn't particularly effective against viruses or cleaning heavily soiled surfaces.

Additionally alcohol products make them unsuitable for users observing certain religious requirements.

Our products are alcohol-free eliminating these issues.



Problem

Uncertain product efficacy: Many products are readily deactivated by minor surface soiling by organic matter which results in surfaces being ineffectively treated.

Few products provide independent verification with true performance efficacy.

Product toxicity if swallowed.

Many cleaning products have a significant negative impact on the environment.

“

We have been using Bioguard's products for some time now and like them because the products are safer for my colleagues to use than the alternatives, as they do not give off any noxious fumes and do not damage our equipment. The products are also very cost effective.

”

Mortuary Manager based in an NHS Hospital

Solution

Bioguard products are powered by BIOCHEM and therefore offer combined cleaning and disinfection capability. They effectively disinfect and clean surface soiling with no risk of product deactivation.

All products have been independently tested as being effective against a wide range of micro-organisms.

Our products are non-toxic if swallowed, which makes them ideal for environments with children present, or secure environments such as prisons and psychiatric institutions.

Audits by leading European Authorities have concluded that our products are non-toxic, biodegradable and non-cumulative in the ecosystem.



WHO WE SUPPLY

Bioguard supplies infection control and hygiene products to a wide range of organisations that want to keep their environment and people safe from bacteria, viruses, and spores.

These range from high-risk areas such as hospitals and laboratories, to establishments such as children's nurseries, where harmful chemicals aren't suitable.

As our products are suitable for use on almost any surface, they can be used in any environment.



Healthcare

- Hospitals
- Clinics including Doctors, Dental and IVF
- Care Homes
- Mortuaries
- Psychiatric Institutions

Childcare Settings

- Baby/Pregnancy facilities
- Childcare facilities
- Educational Institutions





Emergency Services

- Ambulances
- Police
- Fire Service
- Military
- First Aid Supplies
- Prisons

Scientific

- Pharmaceutical
- Laboratories
- Life Sciences





The **bio**guard range

Discover the Bioguard difference with our range of superior hygiene, cleaning and infection control products.

+ SCIENTIFICALLY PROVEN PROTECTION
TRUSTED BY HEALTHCARE PROFESSIONALS



Disinfectant
Cleaning Solution



Hand &
Surface Wipes



Foam Hand
Sanitiser



Gel Hand
Sanitiser



Medical
Hand Scrub



Antibacterial
Hand Soap



Disinfectant
Air Freshener



Absorb
Powder

DISINFECTANT CLEANING SOLUTION

A scientifically proven, independently tested, medical grade disinfectant and cleaning solution that is truly effective across the whole spectrum of professional healthcare environments.

The range includes a ready-to-use liquid and spray, and a concentrated formula, each with the following benefits:

- Independently tested to the highest British and European standards (EN1276, AFNOR, EN14476, EN12504, EN13727).
- Product is non-hazardous and non-toxic and has been MEA tested to ensure it is safe to use.
- Protects against 99.9% of bacteria, viruses, and spores tested.
- Alcohol free and pH neutral, so gentle on skin.
- Effective in under 30 seconds and long lasting residual efficacy.
- Suitable for use on virtually all surfaces, including fabric, without damaging or degrading them.
- Highly economical - Remains effective at high dilution rates, reducing the amount of product required.
- Dual Action - Combined cleaning and disinfecting action eliminates the need for separate products and cleaning procedures.
- Environmentally friendly - Proven by independent audits to be non-toxic, biodegradable and non-accumulative in the ecosystem. No special procedures are required for product disposal or in case of spillage.

Suitable for use on:

- Work surfaces, floors and walls.
- Fabric and furnishings.
- Equipment and utensils.
- Whole-room decontaminations.



Hygiene on the go

10ml pen spray and 50ml spray are designed to clean and disinfect hands as well as surfaces whilst on the go.



BIO10MLB



BIORTU050



BRTS



BRO05

Product option	Product code	Pack size
Ready to Use		
25 Litres	BR025	1
5 Litres	BR005	4
1 Litre	BR001	12
500ml Trigger Spray	BRTS	12
50ml Spray	BIORTU050	336
10ml Pen Spray	BIO10MLB	250
Concentrate*		
25 Litres	BC025	1
5 Litres	BC005	4
1 Litre	BC001	12

*Product dilutions - 1:15 high risk, 1:40 medium risk, 1:100 low risk

HAND & SURFACE WIPES

A scientifically proven, medical grade hand and surface wipe system which cleans and protects and is independently tested. Trusted by healthcare professionals to be effective, yet gentle on the skin.

Products within this range include:

- Alcohol Free Light Duty Hand and Surface Wipes – 0% alcohol and dermatologically tested, so kind to skin.
- Alcohol Free Heavy Duty Hand and Surface Wipes – Stronger cloth for bigger jobs.
- Alcohol Hand and Surface Wipes – with over 70% BP grade alcohol content specifically formulated for users who have stipulated the need for high level alcohol in their wipes. Our non-irritating formula contains Aloe Vera to care for skin.

Suitable for use on :

- Hands and body.
- Work surfaces, floors and walls.
- Fabric and furnishings.
- Equipment and utensils.
- Food preparation areas.
- Medical equipment, supplies and rental.
- Probes.



All our wipes have the following benefits:

- Independently tested to the highest British and European standards (EN1276, AFNOR, EN14476, EN12504, EN13727).
- Product is non-hazardous and non-toxic and has been MEA tested to ensure it is safe to use.
- Protects against 99.9% of bacteria, viruses and spores tested.
- pH neutral and dermatologically tested, so gentle on skin.
- Conforms to the latest health and safety legislation.
- Effective in under 30 seconds and long lasting residual efficacy.
- Fragrance free.
- Suitable for use on virtually all surfaces without damaging or degrading them.
- Unique foam seal in lid to prevent wipes drying out.
- Highly cost effective – Heavier-grade cloth makes for a more durable wipe. Use up to 30% fewer than you would with some rival products.
- Environmentally friendly – Proven by independent audits to be non-toxic, biodegradable and non-accumulative in the ecosystem. No special procedures are required for product disposal.



BRACKETHW150P/HW240



HW500



HW240



HW200

Product option	Wipe size	Product code	Pack Size
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Light Duty Hand & Surface wipes (Alcohol Free)

240 Wipes	200x200mm wipe size	HW240	12
240 Wipe refill	200x200mm wipe size	HW240REFILL	12
200 Wipes	125x130mm wipe size	HW200	10
100 Wipes	130x180 wipe size	HW100	10
1 Wipe Sachet	190x145mm wipe size	HW001	1000

Heavy Duty Hand & Surface Wipes (Alcohol Free)

1000 Wipes	200x200mm wipe size	HW1000	1
800 Wipes	200x200mm wipe size	HW800	1
500 Wipes	200x200mm wipe size	HW500	1
150 Wipes	200x200mm wipe size	HW150	12
150 Wipe Refill	200x200mm wipe size	HW150REFILL	12
70 Wipes	85x100mm wipe size	BIOW70	40

Hand & Surface wipes (Alcohol)

240 Wipes	200x200mm wipe size	HW240A	12
240 Wipe Refill	200x200mm wipe size	HW240AREFILL	12

Wall bracket/holder for wipe tubs

HW150/HW240A	Wall Bracket	BRACKETHW150P	1
HW200/HW100	Wall Bracket	BRACMEDP	1

FOAM HAND SANITISER

Scientifically proven, medical grade, alcohol free Foam Hand Sanitiser that cleans hands without the need for water. Independently tested to BSEN1276 standard and suitable for use on hands and body, making it ideal for bed baths.

No alcohol and no compromise on performance, our hospital grade Foam Hand Sanitiser has the following benefits:

- Alcohol free.
- Protects against 99.9% of bacteria, viruses, and spores tested.
- Independently tested to the highest British and European standards (EN1276, EN1500, AFNOR, EN14476, EN12504, EN13727).
- Product is non-hazardous and non-toxic and has been MEA tested to ensure it is safe to use.
- Convenient – use as a standalone hand decontaminant in situations where clean water is not available for washing.
- pH neutral and dermatologically tested, so gentle on skin.
- No sticky or greasy residue left on hands.
- Effective in under 30 seconds and long lasting residual efficacy.

Suitable for use on:

- Hands - No water needed
- Body - No water needed



Hygiene on the go

10ml pen spray and 50ml hand foam are designed to clean and disinfect whilst on the go.



BIO10MLB



BFS050



BFS1000NEP



BFS500

Product option	Product code	Pack Size
Hand & Body Foaming Cleanser		
5 Litres	BFS005	4
1 Litre	BFS001	12
Wall Dispenser	CONPACKNEPD	1
1 Litre Refill for Dispenser	BFS1000NEP	6
Wall Bracket for 500ml Bottle	BRACKETABP	1
500ml Pump Action	BFS500	6
200ml Pump Action	BFS200	12
*50ml Pump Action	BFS050	25
50ml Spray	BIORTU050	336
10ml Pen Spray	B1010MLB	250

*Also available with toggle to attach to uniforms

GEL HAND SANITISER

Scientifically proven, medical grade Gel Hand Sanitiser that cleans hands without the need for water. Independently tested to BSEN1276 standard and suitable for use on hands.

Our hospital grade Gel Hand Sanitiser has the following benefits:

- Independently tested to the highest British and European standards (EN1276, EN1500, AFNOR, EN14476, EN12504, EN13727).
- Protects against 99.9% of bacteria, viruses and spores tested.
- Contains over 70% BP grade alcohol content specifically formulated for users who have a stipulated the need for high level alcohol content.
- Non-hazardous - Conform to the latest health and safety legislation.
- Convenient - use as a standalone hand decontaminant in situations where clean water is not available for washing.
- pH neutral and dermatologically tested, so gentle on skin.
- No sticky or greasy residue left on hands.
- Effective in under 30 seconds and long lasting residual efficacy.
- Contains added aloe vera to nourish and care for skin.

Suitable for use on:

- Hands - No water needed



BG050R



BGP500

BRACKETABP

Product option	Product code	Pack Size
Gel Hand Sanitiser		
5 Litres	BG005	4
Wall Dispenser	CONPACKNEPD	1
1 Litre Refill Cartridge for Wall Dispenser	BG1000NEP	6
500ml Pump Action	BGP500	6
Wall Bracket for 500ml Bottle	BRACKETABP	1
250ml Flip Top	BGF250	12
250ml Pump Action	BGP250	12
100ml Flip Top	BGF100	25
50ml Pump Action with Reel	BG050R	20
50ml Pump Action Refill	BG050	20

MEDICAL HAND SCRUB

Scientifically proven, medical grade, alcohol free antiviral and bacterial hand scrub for high risk environments. Contains plant based moisturisers to reduce the risk of skin irritation compared with other products.

Our medical grade Medical Hand Scrub has the following benefits:

- Independently tested to the highest British and European standards BSEN1276.
- Product is non-hazardous and non-toxic and has been MEA tested to ensure it is safe to use.
- Alcohol free, pH neutral and dermatologically tested, so gentle on skin.
- Non-hazardous – Conforms to the latest health and safety legislation.
- Economical – Superior cleaning action means you use up to 30% less product per scrub, compared to traditional alternatives.

Suitable for use on:

- Hands



BSP500

CONPACKNEPD

BS1000NEP

Product option	Product code	Pack Size
Medical hand scrub		
5 Litres	BS005	4
Wall Dispenser	CONPACKNEPD	1
1 Litre Refill Cartridge for Wall Dispenser	BS1000NEP	6
Wall Bracket for 500ml Bottle	BRACKETABP	1
500ml Pump Action	BSP500	6

DISINFECTANT AIR FRESHENER

Our scientifically proven 2 in 1 air freshener and disinfectant eliminates all hygiene risks and unpleasant odours. Ideal in environments where the risk of bodily fluid exposure is high.

Our 2 in 1 air freshener and disinfectant has the following benefits:

- Independently tested to the highest British and European standards (EN1276, AFNOR, EN14476, EN12504, EN13727)
- Protects against 99.9% of bacteria, viruses, and spores tested, as well as leaving a pleasant floral scent
- Effective in the air and on any surface
- Alcohol free and pH neutral so won't damage surfaces or irritate skin
- Effective in under 30 seconds and long lasting residual efficacy
- Product is non-hazardous and non-toxic and has been MEA tested to ensure it is safe to use

Suitable for use on:

- Surfaces
- Fabric and furnishings



DAS250

Product option	Product code	Pack Size
1 Litre	DAS001	12
250ml Finger Spray	DAS250	12

ABSORB POWDER

Our scientifically proven, medical grade Absorb Powder can be used across a whole spectrum of body fluid and chemical spillages. This product is designed to be used in any environment where you need to quickly, hygienically, and safely clean up fluids.

Our Absorb Powder has the following benefits:

- Safe to use as it contains a bactericide to assist in deactivating harmful organisms
- Super absorbent as it can absorb up to 300 times its own weight in liquid
- Economical in use as it requires less powder to clean up than some alternative brands
- Product is easy to use: sprinkle powder on spill, leave to absorb, then scoop up
- Suitable for use on all surfaces

Suitable for use on:

- Work surfaces and floors
- Fabric and furnishings



ABSORB010



049314

Product option	Product code	Pack Size
10 gram Sachet	ABSORB010	150
40 gram Sachet	049313	150
100gram Shaker Tub	ABSORB100	6
240gram Shaker Tub	049314	6
500gram Shaker Tub	ABSORB500	6
1.5 kg Tub	ABSORB1000	4

ANTIBACTERIAL HAND SOAP

Our scientifically proven antibacterial soap protects against 99.9% of bacteria. It is gentle on the skin, so can be used in all wash room, kitchen and food preparation areas to ensure maximum hygiene.

All our Antibacterial Hand Soaps have the following benefits:

- Independently tested to the highest British and European standards (EN1276, EN12504).
- Protects against 99.9% of bacteria.
- Dermatologically tested and pH Neutral.
- Effective in under 30 seconds and long lasting residual efficacy.

Suitable for use on:

- Hands



BBS500A

BBS500L

Product option	Product code	Pack Size
Antibacterial Soap AQUA BLUE		
5 litres	BBS005	4
Wall Dispenser	CONPACKNEPD	1
1 Litre Refill Cartridge for Wall Dispenser	BBSA1000NEP	6
500ml Pump Action	BBS500A	6
Antibacterial Soap LEMON YELLOW		
5 litres	BBSY005	4
Wall Dispenser	CONPACKNEPD	1
1 Litre Refill Cartridge for Wall Dispenser	BBSY1000NEP	6
500ml Pump Action	BBS500L	6
Wall Bracket for 500ml Bottle	BRACKETABP	1

PRODUCT APPLICATION CHART

All our products are non-toxic and non-damaging, and can therefore be used on a huge range of surfaces. This chart gives detailed information about where each of our products can be used, but this list is not exhaustive.

If you have any questions regarding a specific application, please contact us.

Surface Application	Concentrated Solution	Ready to Use Solution	Hand Surface Wipes	Gel Hand Sanitiser (Alcohol)	Foam Hand Sanitiser	Medical Hand Scrub	Disinfectant Air Freshener	Antibacterial Soap	Absorb Powder
Cleaning Wards, Corridors, Walls, Floors, Ceilings	✓	✓	✓						✓
Bed Frames, Mattresses		✓	✓						
Furniture and Fabrics		✓	✓						
Toilet Facilities	✓		✓					✓	
Hand Washing Stations with Water Facilities						✓		✓	
Fixed Hand Sanitising e.g. Ward Entrances				✓	✓				
Portable Hand Sanitising for Staff				✓	✓				
Use Specialist Areas such as Testing Labs, Mortuaries	✓	✓	✓						✓
Air Conditioning Systems	✓	✓							
Uniforms	✓	✓							
Waiting Rooms, General Areas	✓	✓	✓				✓		✓
Spill clean up									✓
Body Fluid Spill									✓

BIOGUARD TEST REPORTS SUMMARY

Bioguard products have been proven effective against a wide range of harmful organisms by leading independent European testing laboratories. The table below summarises some of the key tests conducted on our products. Due to the extensive product testing conducted it is not possible to list all the testing undertaken.

If you require efficacy test against an organism not listed please contact us and we review our test files to see if we can provide specific test data for your needs.

Organism Tested	Dilution	Test Method	Name of Testing Laboratory	Contact Time	Result
BIOCHEM testing					
Viruses					
Murine norovirus	RTU	EN14476	Mikrolab GmbH	30-60 Seconds	Pass
Adenovirus	RTU	EN14476	Mikrolab GmbH	30-120 Seconds	Pass
Poliovirus	RTU	EN14476	Mikrolab GmbH	30-120 Seconds	Pass
HIV	RTU / 1:50	LABS OWN	John Radcliffe Hospital, Oxford	2mins	Pass
Hepatitis B	RTU / 1:50	LABS OWN	John Radcliffe Hospital, Oxford	2mins	Pass
Hepatitis C	RTU / 1:50	LABS OWN	Micropathology Ltd, Coventry	5 Minutes	<100HCV RNA
Influenza	1:100 / 1:150 / 1:200	ET/BL002376/10/94A	Eurostar Technology Ltd, Canterbury	2,5&10mins	Pass
Newcastle Disease	1:100 / 1:150 / 1:200	ET/BL002376/10/94A	Eurostar Technology Ltd, Canterbury	2,5&10mins	Pass
Canine Parvovirus	1:100 / 1:150 / 1:200	ET/BL002376/10/94A	Eurostar Technology Ltd, Canterbury	2,5&10mins	Pass
H1N1 Influenza A	RTU / 1:25 / 1:50	LABS OWN	Veterinary Laboratories Agency, Weybridge		99.99%
Polio	RTU / 1:50	AFNOR	Eurostar Technology Ltd, Canterbury	2 Minutes	Pass
Orthopox	RTU / 1:50	AFNOR	Eurostar Technology Ltd, Canterbury	2 Minutes	Pass
Adenovirus	RTU / 1:50	AFNOR	Eurostar Technology Ltd, Canterbury	2 Minutes	Pass
Bacteriophage Virus	RTU / 1:50	AFNOR	Eurostar Technology Ltd, Canterbury	60-90 Secs	Pass
Diseases of Poultry Order & Avian Influenza	RTU	LABS OWN	Department for Environmental Food & Rural Affairs (DEFRA)		Pass
Mycobacteria					
Mycobacterium terrae	RTU	EN 1276	Law Laboratories Ltd, Birmingham	30 Seconds	99.99
M. Tuberculosis	RTU / 1:50 / 100	LABS OWN	Swedish Institute for Infectious Disease Control, Stockholm	30 seconds	Pass
M. Avium	RTU / 1:50 / 100	LABS OWN	Swedish Institute for Infectious Disease Control, Stockholm	30 Seconds	Pass
M. Fortuitum	RTU / 1:50 / 100	LABS OWN	Swedish Institute for Infectious Disease Control, Stockholm	30 Seconds	Pass
Product Safety					
Toxicity testing on Mouse embryo assay	RTU	OWN	Charles rivers laboratories	96hrs	>80% survival
Dermatological testing	RTU	LABS OWN	CuTest Systems Ltd, Cardiff	48 Hours	Pass
Spores					
Clostridium difficile Spores	RTU	EN 1276	Bodycote Lawlabs Laboratories, Birmingham	15 Minutes	99.99
Bacillus subtilis spores	1:10	LABS OWN	Chemical Solutions Consultancy	5mins	<10 recovery
Bacillus subtilis spores	RTU	LABS OWN	MS labs	5mins	99.99
Hand product efficacy (EN1500 tests on users hands, comparative test against ethanol)					
Ecoli	RTU	en1500	Campden BRI	30seconds	Pass
Yeast & Fungi					
Aspergillus niger	RTU	EN1650	Bodycote Lawlabs Laboratories, Birmingham	30seconds	99.99
Candida albicans	RTU	EN1650	Bodycote Lawlabs Laboratories, Birmingham	30seconds	99.99
Saccharmyces cerevisiae	RTU	EN1650	Bodycote Lawlabs Laboratories, Birmingham	30seconds	99.99
Trichophyton mentagrophytes	1:900	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Aspergillus niger	1:1000	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Penicillium funiculosum	1:1140	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Eperdermophyton floccosum	1:940	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Microsporum canis	1:940	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Microsporum gypseum	1:940	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Candida albicans	1:1600	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Saccharomyces cerevisiae	1:1600	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Oidium lactis	1:1600	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Bacteria					
Staphylococcus aureus	RTU	EN 12054	MGS Laboratories, Berkshire	30 Seconds	<10
Pseudomonas aeruginosa	RTU	EN 12054	MGS Laboratories, Berkshire	30 Seconds	<10
Escherichia coli	RTU	EN 12054	MGS Laboratories, Berkshire	30 Seconds	<10
Enterococcus hirse	RTU	EN 12054	MGS Laboratories, Berkshire	30 Seconds	<10
Pseudomonas aeruginosa	RTU	EN13727	MGS Laboratories, Berkshire	30 Seconds	Pass
Staphylococcus aureus	RTU	EN13727	MGS Laboratories, Berkshire	30 Seconds	Pass

Organism Tested	Dilution	Test Method	Name of Testing Laboratory	Contact Time	Result
BIOCHEM testing continued...					
Enterococcus hirae	RTU	EN13727	MGS Laboratories, Berkshire	30 Seconds	Pass
Staphylococcus aureus	1:1000	EN 1276	Law Laboratories Ltd, Birmingham	30 Seconds	99.99
Listeria monocytogenes	RTU	EN 1276	Law Laboratories Ltd, Birmingham	30 Seconds	99.99
Escherichia coli	RTU	EN 1276	Law Laboratories Ltd, Birmingham	30 Seconds	99.99
Salmonella enteritidis	RTU	EN 1276	Law Laboratories Ltd, Birmingham	30 Seconds	99.99
Staphylococcus aureus	RTU	EN 1276	City Hospital NHS Trust, Birmingham	60 Seconds	99.99
Pseudomonas aeruginosa	RTU	EN 1276	City Hospital NHS Trust, Birmingham	60 Seconds	99.99
Escherichia coli	RTU	EN 1276	City Hospital NHS Trust, Birmingham	60 Seconds	99.99
Enterococcus hirae	RTU	EN 1276	City Hospital NHS Trust, Birmingham	60 Seconds	99.99
Clostridium difficile	RTU	EN 1276	Bodycote Lawlabs Laboratories, Birmingham	15 Minutes	99.99
Legionella pneumophila	RTU	EN 1276	Law Laboratories Ltd, Birmingham	15 Minutes	99.99
Escherichia coli	1:1200	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Klebsiella aerogenes	1:800	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Klebsiella fortuitum	1:800	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Proteus vulgaris	1:500	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Proteus mirabilis	1:900	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Pseudomonas aeruginosa	1:900	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Pseudomonas fluorescens	1:800	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Salmonella choleraesuis	1:800	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Salmonella typhi	1:800	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Salmonella typhimurium	1:1000	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Salmonella enteritidis	1:1000	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Shigella flexneri	1:1200	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Shigella sonnei	1:1000	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Staphylococcus aureus	1:1000	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Streptococcus epidermidis	1:1000	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Streptococcus pyogenes	1:1000	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Streptococcus faecalis	1:900	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Listeria monocytogenes	1:900	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Leptospiriosis species	1:900	minimum inhibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Wipe efficacy testing					
Staphylococcus aureus	RTU	LABS OWN	Lans Landsting Institute, Stockholm	4 wipes	Pass
E. Coli	RTU	LABS OWN	Lans Landsting Institute, Stockholm	7 wipes	Pass
Candida albicans	RTU	LABS OWN	Lans Landsting Institute, Stockholm	6 wipes	Pass
Campylobacter	RTU	LABS OWN	Lans Landsting Institute, Stockholm	6 wipes	Pass
Streptococcus faecalis	RTU	LABS OWN	Lans Landsting Institute, Stockholm	9 wipes	Pass
Salmonella typhi murium	RTU	LABS OWN	Lans Landsting Institute, Stockholm	8 wipes	Pass
Pseudomonas aeruginosa	RTU	LABS OWN	Lans Landsting Institute, Stockholm	7 wipes	Pass
Pneumococci Patient Strain (Multi Resistant)	RTU	LABS OWN	Lans Landsting Institute, Stockholm	4 wipes	Pass
MISC					
DEFRA Approval List	RTU	LABS OWN	Department for Environmental Food & Rural Affairs	5mins	Pass
Organism Tested					
Hand Gel Sanitiser testing					
EN1500		EN1500	Campden Technology Ltd	3 Minutes	Pass
Murine norovirus		EN14476	Mikrolab GmbH	30-60 Seconds	Pass
Adenovirus		EN14476	Mikrolab GmbH	30-120 Seconds	Pass
Poliovirus		EN14476	Mikrolab GmbH	30-120 Seconds	Pass
Staphylococcus aureus		EN 12054	MGS Laboratories, Berkshire	30 Seconds	<10
Pseudomonas aeruginosa		EN 12054	MGS Laboratories, Berkshire	30 Seconds	<10
Escherichia coli		EN 12054	MGS Laboratories, Berkshire	30 Seconds	<10
Enterococcus hirae		EN 12054	MGS Laboratories, Berkshire	30 Seconds	<10
Pseudomonas aeruginosa		EN13727	MGS Laboratories, Berkshire	30 Seconds	Pass
Staphylococcus aureus		EN13727	MGS Laboratories, Berkshire	30 Seconds	Pass
Enterococcus hirae		EN13727	MGS Laboratories, Berkshire	30 Seconds	Pass
Virucidal Activity & Bactericidal					
Performance (AFNOR) Test		AFNOR	Eurostar Technology Limited, Berkshire	30 Seconds	Pass
Polio		AFNOR	Eurostar Technology Limited, Berkshire	30 Seconds	Pass
Orthopox		AFNOR	Eurostar Technology Limited, Berkshire	30 Seconds	Pass
Adenovirus		AFNOR	Eurostar Technology Limited, Berkshire	30 Seconds	Pass
Dermatological testing		LABS own	CuTest Systems Ltd, Cardiff	48 Hours	Pass

- BIOCHEM** is the active compound used in the following products: disinfectant cleaning solution, hand & surface wipes, foam hand sanitiser, disinfectant air freshener and medical hand scrub. The reformulation into finished product does not affect the efficacy of the finished product.
- The test was either conducted at the dilution the end product are used i.e. 1:16, we have referred to this as RTU or where higher dilutions levels have been used we have specified this, we have used some higher dilutions rates to ensure that we demonstrate product efficacy at higher dilution levels as this indicates a good safety margin factor i.e. product is being used at 1:15 but is still effective at 1:50 dilution.
- Where product has been tested at multiple dilutions we have listed this but only put the results for the RTU otherwise it was getting complicated, we can provide further information if required.
- The test results are expressed as the % kill i.e. 99.99%, in some instance only a pass or fail has been provided where this happens we have expressed this as such.
- Minimum Inhibitory Concentration (MIC) test is determine at what level product remains effective as you will see product can be diluted to high levels whilst still effective.



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