



Discover the Bioguard Difference

IVF Certified, MEA tested, VOC &  
ALCOHOL FREE infection control



MADE IN THE UK 



**SCIENTIFICALLY PROVEN PROTECTION  
TRUSTED BY HEALTHCARE PROFESSIONALS**

## Introduction to Bioguard

Bioguard provide market leading cleaning and hygiene products that enable you to...

- clean and disinfect surfaces in high risk environments such as IVF clinics
- clean, disinfect and protect hands of employees, patients and customers
- clean and disinfect equipment in laboratories

Bioguard products are used in over 10,000 healthcare sites throughout the UK including the NHS. We also distribute our products to Europe, Africa and are now expanding into the Middle East and Asia. The company is ISO 9001:2008 & GMP registered.

Uniquely, ALL our products are researched, developed, formulated and manufactured in the UK and meet the latest ISO registration standards, British Standard (BS) and European testing standards as well as being fully compliant for Biocidal Product regulations.

## Hygiene & protection when you need it most



Protect



Trust

## Bioguard produce Class-leading Hygiene, Cleaning and Infection-Control Products

Discover the Bioguard difference with our range of IVF Certified infection control and hygiene products.

MEA tested, VOC and Alcohol free for safety

Our product range includes:

- Disinfectant Cleaning Solutions
  - Hand & Surface Wipes
    - Hand Sanitisers
  - Medical Hand Scrub
  - Absorb Powder

## IVF Certified

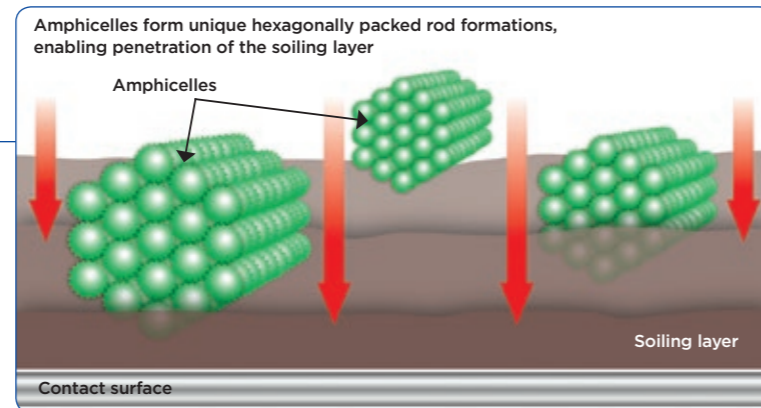
Infection control within IVF laboratories is demanding and all our products successfully meet the specific high standards needed for IVF clinics as they are safe for embryos and other sensitive materials without releasing VOC.

MADE IN THE UK 

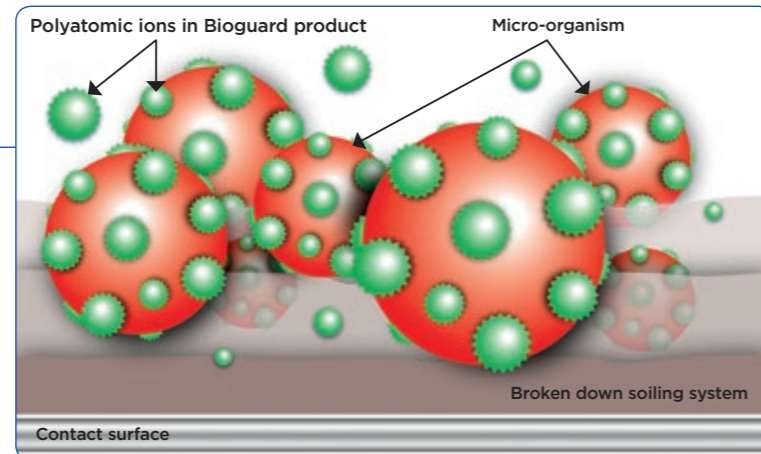
# How our products work

All our products are powered by **BIOCHEM**, a unique compound we have created for high performance cleaning and disinfection and it works in 3 key stages:

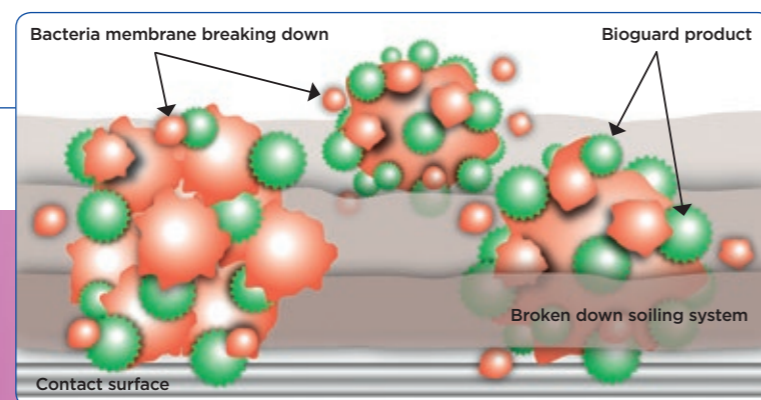
- **STAGE ONE**  
Penetration & removal of soiling on contact surface




- **STAGE TWO**  
Penetration of micro-organisms protective shell



- **STAGE THREE**  
Disinfection of micro organism



The unique **BIOCHEM** compound provides users with the following key benefits:

- **MEA TESTED** - Product has been MEA tested by a leading European laboratory, results confirmed product will not affect embryos and is safe to use in IVF clinics
- **VOC FREE** - Product does not release VOC during application, making it the safe & effective way to decontaminate your IVF facility
- **ALCOHOL FREE** - Products do not contain alcohol making it a user friendly way to clean and disinfect your IVF facilities
- **TRUSTED** - Used by healthcare professionals across UK and Europe in high risk hospital environments
- **PROVEN** - Independently tested to the highest European and British standards against high risk organisms encountered in an IVF lab environment
- **POWERFUL** - Microbiological efficacy means effective against a wide variety of organisms, Clostridium Difficile (spores & bacteria), Hepatitis, Tuberculosis, Norwalk virus, HIV, MRSA, Avian Flu
- **FAST** - Effective in under 30 seconds
- **FRIENDLY** - Eco-friendly and non-damaging to the environment
- **MULTI-SURFACE** - Usable on virtually all surfaces, including touch screen panels
- **EFFICIENT** - Combined cleaning and disinfection capability eliminate the need for multiple products
- **EASY** - Using one product eliminates the risk of operatives using the wrong product, also the mixing of products causing chemical reactions and/or deactivating products
- **LONG LASTING** - Long Shelf life of 3 years
- **QUALITY** - MADE IN THE UK 

## Unique Process

This unique three-stage process enables our product 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](http://www.bioguardhygiene.com/video) to see how BIOCHEM works...

## Proven



# Disinfectant Cleaning Solutions

A scientifically proven, independently tested to British and European standards, medical grade cleaning solution that cleans and disinfects. Suitable for all surfaces in IVF clinics including:

- Laminar flow hoods
- CO<sub>2</sub> Incubators
- Refrigerators
- Touch screen panels
- Ultrasound probes
- Equipment
- Hospital furnishings
- Glass, plastic, metal and most fabric

Products within this range include a ready to use liquid and spray and a concentrated formula and all have the following benefits:

- MEA Tested
- VOC Free
- Alcohol Free
- Tested to the highest British & European standards (EN1276, EN1500, AFNOR, EN14476, EN12504, EN13727)
- Protect against 99.9% of bacteria, viruses and spores tested
- PH neutral and dermatologically tested, so gentle on skin
- Effective in under 30 seconds and long lasting residual efficacy
- Suitable for use on virtually all surfaces without damaging or degrading them
- Highly economical concentrate formula. Remains effective at high dilution rates, reducing the amount of applied product solution used
- Dual Action - Combined cleaning and disinfecting action eliminates the need for separate products and procedures
- Environmentally friendly - Proven by independent audits to be non-toxic, biodegradable and non-accumulative in the eco-system  
No special procedures are required for product disposal or in case of spillage



Safe

Product option	Pack size	Product code
500ml Trigger spray	12 Units	IBRTS
1 Litre Refill	12 Units	IBR001
5 Litre Refill	4 Units	IBR005
1 Litre Concentrate	12 Units	IBC001
5 Litre Concentrate	4 Units	IBC005

## Hand & Surface Wipes

A scientifically proven, medical grade alcohol-free 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.  
Suitable for hands as well as all surfaces in IVF clinics including:

- Laminar flow hoods
- CO<sub>2</sub> Incubators
- Refrigerators
- Touch screen panels
- Ultrasound probes
- Equipment
- Hospital furnishings
- Glass, plastic, metal and most fabric

Products within this range include:

- Alcohol Free 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

And have the following benefits:

- MEA Tested
- VOC Free
- Alcohol Free
- Tested to the highest British & European standards (EN1276, EN1500, AFNOR, EN14476, EN12504, EN13727)
- Protect against 99.9% of bacteria, viruses and spores tested
- PH neutral and dermatologically tested so gentle on skin
- Non-hazardous - Conform 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 - Heavy duty 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 eco-system. No special procedures are required for product disposal

# Powerful



Product option	Pack size	Product code
Heavy duty 200x200mm	500 wipes	IHW500
Heavy duty 200x200mm	150 wipes (12 units per case)	IHW150
Light duty 200x200mm	240 wipes (12 units per case)	IHW240
Light duty 130x125mm	200 wipes (10 units per case)	IHW200
Light duty 190x145mm	Single sachet wipes (1000 sachets per case)	IHW001

# Hand Sanitisers

Scientifically proven, medical grade alcohol free hand sanitisers that clean hands without the need for water. Independently tested to British and European standards and suitable for use on hands and in case of spray pens for use on contact surfaces within IVF clinics. Products within the range include easy to use liquid sprays and foam and all have the following benefits:

- MEA Tested
- VOC Free
- Alcohol Free
- Hospital grade protection independently tested to the highest European standards (EN1276, EN1500, AFNOR, EN14476, EN12504, EN13727)
- Protect against 99.9% of bacteria, viruses and spores tested
- 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
- Alcohol free, 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



Foam option



Foam option



Pen spray



Product option	Pack size	Product code
10ml Pocket spray	250 Units	IBIO10MLB
50ml pump	25 Units	IBFS050
200ml pump	12 Units	IBFS200
500ml pump	6 Units	IBFS500
Wall bracket for 500ml bottle	1 Unit	BRACKETABP
Refill cartridge for wall dispenser	6 Units	IBFS1000
Wall-mounted dispenser	1 Unit	ICONPACKNEPD

## Medical Hand Scrub

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

- MEA Tested
- VOC Free
- Alcohol Free
- Tested to the highest British & European standards (EN1276, EN1500, AGNOR, EN14476, EN17504, EN13727)
- Independently proven to out-perform other leading products  
Ideal for high-risk environments including IVF clinics and testing labs
- PH neutral and dermatologically tested so gentle on skin
- Non-hazardous - Conform 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
- Environmentally friendly - Proven by independent audits to be non-toxic, biodegradable and non-accumulative in the eco-system.  
No special procedures are required for product disposal



Product option	Pack size	Product code
5 Litre Refill	4 units	IBS005
Wall-mounted dispenser	1 unit	ICONPACKNEPD
1000ml Cartridge refill for wall dispenser	6 units	IBS1000
500ml Pump-action bottles	6 units	IBSP500
Wall bracket for 500ml bottle	1 unit	BRACKETABP

## Absorb Powder

Safely & Quickly clean up and dispose of Bodyfluid, Chemical & Media spills in your IVF clinic

This product is designed to be used in any environment where you need to quickly, hygienically and safely clean up body fluid and chemical spillages.

Our Absorb Powder has the following benefits:

- Quickly absorbs all types of body fluid and chemical spillages
- Economical in use as requires less powder to clean up than some alternative brands
- Super absorbent as can absorb up to 300 times its own weight in liquid
- Safe to use as it contains a bactericide to assist in inactivating harmful organisms
- Product is easy to use, sprinkle powder on spill leave to absorb then scoop up
- Suitable for use on all surfaces
- PH Neutral



Hygienic

Product option	Pack size	Product code
40g Sachet	150 Units	I049313
100g Tub	6 Units	IABSORB100
240g Tub	6 Units	I049314

# 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
<b>Viruses</b>					
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	Micro pathology 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
<b>Mycobacteria</b>					
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
<b>Product Safety</b>					
Toxicity testing on Mouse embry assay	RTU	OWN	Charles rivers laboratories	96hrs	>80% survival
Dermatological testing	RTU	LABS OWN	CuTest Systems Ltd, Cardiff.	48 Hours	Pass
<b>Spores</b>					
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
<b>Hand product efficacy (EN1500 tests on users hands, comparative test against ethanol)</b>					
Ecoli	RTU en1500	Campden BRI		30seconds	Pass
<b>Yeast &amp; Fungi</b>					
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 ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Aspergillus niger	1:1000	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Penicillium funiculosum	1:1140	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Eperdermophyton floccosum	1:940	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Microsporium canis	1:940	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Microsporium gypseum	1:940	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Candida albicans	1:1600	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Saccharomyces cerevisiae	1:1600	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Odium lactis	1:1600	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99

Organism Tested	Dilution	Test Method	Name of Testing Laboratory	Contact Time	Result
<b>Bacteria</b>					
Staphylococcus aureus	RTU	EN 12054	MGS Laboratories, Berkshire	30 Seconds	<10
Pseudomonas aeruginosa	RTU	EN 12054	MGS Laboratories, Berkshire	30 Seconds	<10
Eschenchia 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
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 diffcile	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 ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Klebsiella aerogenes	1:800	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Klebsiella fortuitum	1:800	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Proteus vulgaris	1:500	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Proteus mirabilis	1:900	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Pseudomonas aeruginosa	1:900	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Pseudomonas fluorescens	1:800	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Salmonella choleraesuis	1:800	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Salmonella typhi	1:800	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Salmonella typhimurium	1:1000	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Salmonella enteritidis	1:1000	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Shigella flexneri	1:1200	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Shigella sonnei	1:1000	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Staphylococcus aureus	1:1000	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Streptococcus epidermidis	1:1000	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Streptococcus pyrogenes	1:1000	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Streptococcus faecalis	1:900	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Listeria monocytogenes	1:900	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
Leptospirosis species	1:900	minimum ihibitory concentration	Chemical Solutions Consultancy	10mins	99.99
<b>Wipe efficacy testing</b>					
Staphylococcus aureus	RTU	LABS OWN	Lans Landsting Institute, Stockholm	4 wipes	Pass
E. Coli	sRTU	LABS OWN	Lans Landsting Institute, Stockholm	7 wipes	Pass
Candida alhicans	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 acruginosa	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
<b>MISC</b>					
DEFRA Approval List	RTU	LABS OWN	Department for Enviromental Food & Rural Affairs	5mins	Pass

- The product tests above are on Biochem which is the active compound used in the following products, disinfectant cleaning solution, hand and surface wipes, hand sanitisers and medical hand scrub, the reformulation into finished product will not affect effciacy.
- The test was either conducted at the dilution the end product are used i.e. 1:16, we have refered 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, I can provide further information if required.
- The test results are expressed as the % kill i.e. 99.99%, in some instance only a pass of 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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