



**Approved & Tested in UK: BS6920, Wrc & NSF (UK)**  
**Approved in Malaysia: KKM-153(90/KWS/2)**

## **Aerocare™ the Philosophy**

When we began production of Aviation, Marine, Travel and Medical products, **Y2KCoatings** set itself a mission to make a significant contribution towards the progress of human healthcare throughout the world.

The brand **Aerocare™** was formed, and as new technology has evolved, bringing unprecedented possibilities, Aerocare has continued to develop advanced ultra -safe sanitisation systems which offer medical practitioners security and benefits of the latest techniques for their environments.

### **Thinking the unconventional**

The fundamental strengths of Y2K have been its creative vision and a rare ability to think across different disciplines. As a result, the expertise developed in engineering, electronics, sanitization chemicals, precision manufacturing, and colour and coating technology has been applied to creating novel solutions in many different fields.

### **Aerocare and the Environment**

At the same time, Aerocare has a firm commitment to maintaining peace and harmony with the environment. It has long supported global warming prevention, responded to a recycling-oriented society - with the aim of achieving zero waste - and promoted 1 This commitment also guides all research and development activity, resulting in environmentally friendly products like the Aerocare E.S.U system, which utilises safe chemicals in an easy-to-use form.

### **The world of Aerocare**

Today, Aerocare is a world leader in many fields of sanitisation and presentation of a variety of environments and, as we move into a new eco -fragile world, it is positioned to build on its accumulated technological expertise to become a solutions provider for the new age.

Its established technology is being combined with new pioneering technologies and its strengths in product, process engineering will produce creative solutions for the many challenges of this new market place. But everything we do is driven by the same desire: that our customers should find that using Aerocare products is a rewarding, cost effective and profitable experience. To obtain further information regarding **Aerocare** products please contact

**BENUA SAINS SDN.BHD.**

**No.43A , Jalan Kenari 21, Bandar Puchong Jaya,  
47100 Puchong, Selangor Darul Ehsan.**

**Tel: +603-8076 5307/ 8076 5329/ 8070 6575**

**Fax: +603-8076 5290**

**E-mail: [bensains@tm.net.my](mailto:bensains@tm.net.my)**

**Web mail: [www.bensains.com](http://www.bensains.com)**

## The Common Problems

**Legionella**



**Listeria**

**E-Coli**  
(Including the 0157:H7 strain)



**Hepatitis**

**SARS**



**HIV-1**

**Avian Influenza,  
H5N1**



**Tuberculosis, TB**

**Influenza**



**MRSA**

## ***Assessment of Anti-Microbial Activity***

### ***Organisms Tested to Date***

#### ***Organism Strain Organism Strain***

#### **Bacteria Fungi/Mould**

*Bacillus Licheniformis* ATCC 12769 *Aspergillus niger* NCTC 2275  
*Bacillus subtilis* ATCC 6633 *Aspergillus niger* ATCC 16404  
*Bacillus subtilis* NCTC 10073 *Aspergillus versicolor*  
*Bacillus subtilis* NCTC 44878 *Aureobasidium pullulans*  
*Campylobacter jejuni* NCO 11351 *Candida albicans* NCTC 3179  
*Candida albicans* ATCC 10231 *Cladsporium cladosporioides*  
*Clostridium sporogenes* ATCC 11437 *Penicillium purpurogenum*  
*Corynebacterium pseudo-diphtheriae* ATCC 10700 *Penicillium chryseogenum*  
*Eschericia coli* NCTC 10418 *Phoma violaceae*  
*Eschericia coli* ATCC 10536 *Rhodotoula rubra*  
*Eschericia coli* SATCC Esc 25 *Sporobolomyces rose us*  
*Eschericia coli* NCTC 9001 *Stachybotrys chartarum*  
*Eschericia coli* 0157:H7 NCTC 12900 *Ulocladium atrum*  
*Eschericia coli* NCIMB 8545 *Zygosaccharomyces rouxii* NYC 381  
*Klebsiella pneumoniae* ATCC 13883  
*Legionella pneumophilia* NCTC 11192 *Cgioecapsa alpicola*  
*Listeria monocytogenes type 1* NCTC 7973 *Chlorella emersonii*  
*Listeria monocytogenes type 4* NCTC 11994 *Nostoc commune*  
*Methiciliin Resistant Staph. Aureus* Clinical Sample *Pleurococcus spp*  
*Methiciliin Resistant Staph. Aureus* NCTC 11940 *Stichococcus bacillaris*  
*Proteus mirabilis* NCTC 10975 *Stigeoclonium tenue*  
*Pseudomonas aeruginosa* NCIMB 12469 *Trentepohlia a urea*  
*Pseudomonas aeruginosa* ATCC 15442 *Trentepohlia odorata*  
*Pseudomonas aeruginosa* SATCC Pse 16  
*Pseudomonas aeruginosa* NCTC 10662 *Desulfovibrio desulfuricans*  
*Pseudomonas aruginosa* NCIMB 8626 *Desulfotomaculum nigrificans*  
*Staphylococcus aureus* NCTC 6571 *Sulfate Reducing Bacteria (SRB)*  
*Salmonella enteritidis* NCTC 5188 *Sulphur Oxidising*  
*Salmonella typhimurium* ATCC 13311  
*Staphylococcus aureus* NCIMB 12702  
*Enterococcus hirae* ATCC 10541  
*Micrococcus luteus* NCTC 2665

#### **Viruses**

#### **Influenza**

#### **Hepatitis**

#### **HIV-1**

#### **Mycobacteriophage D29**

#### **Bacteriophage 36 Ph15597BI (MS2)**

#### **Bacteriophage 37 Ph13706B1 Ph 1174**

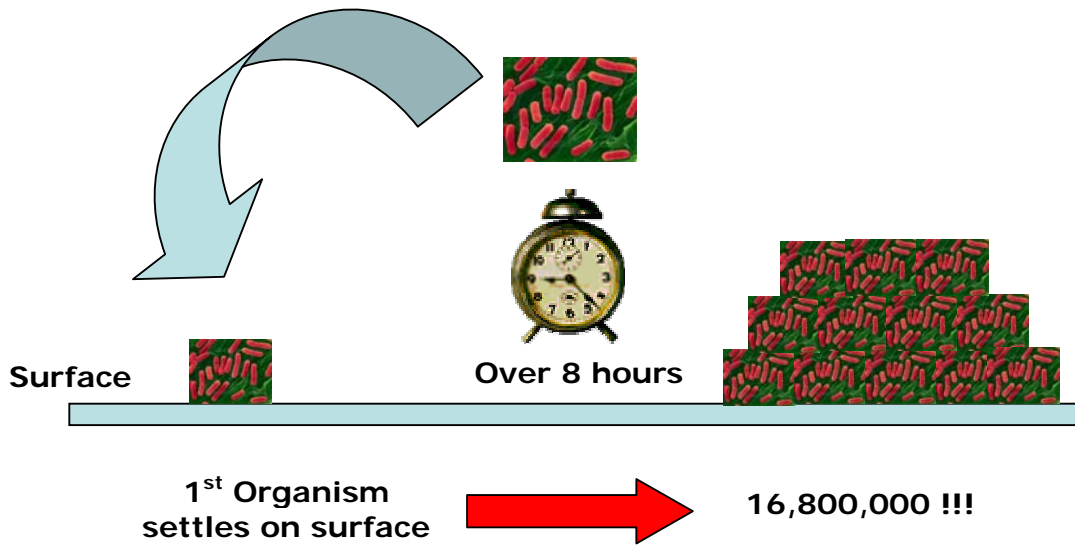
#### **SARS**

#### **Norwalk**

Please note that this list is by no means exhaustive and AeroCare is under continuous evaluation for use on different

microbial species and has been tested by the government of China to verify that the products are an effective treatment for the eradication of the Sars Virus vectors.

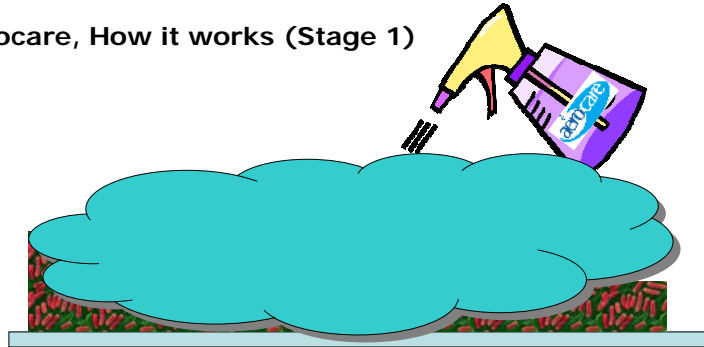
## How fast a typical bacteria multiplies



# Aerocare, how it works



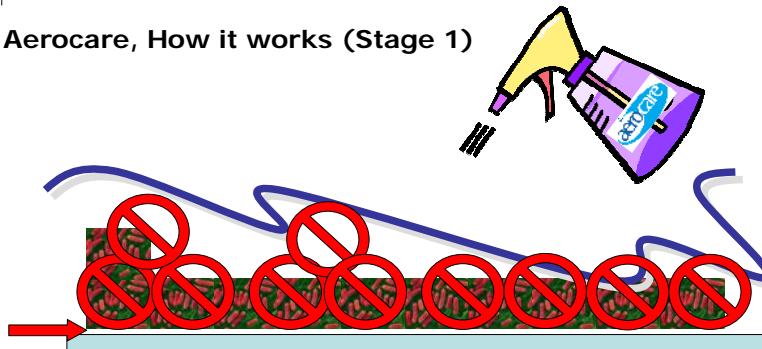
## Aerocare, How it works (Stage 1)



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## Aerocare, How it works (Stage 1)



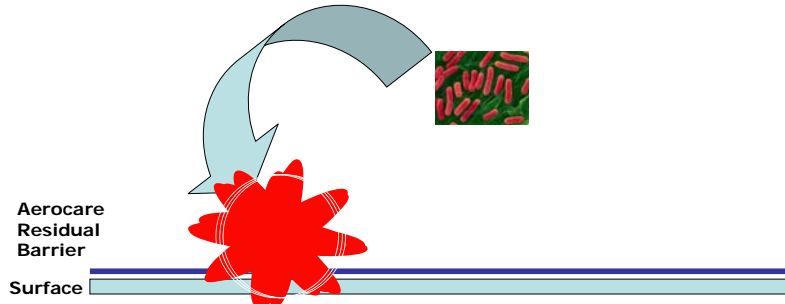
Biofilm that bacteria needs to attach to surface is destroyed

The biocides within Aerocare take between 30 seconds to 2 minutes to eliminate bacteria, mould, fungi and inactivate viruses

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## Aerocare, How it works (Stage 2)



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*The Residual effect will protect the surface and last up to 7 days (subject to environment).*

## Aerocare: Key Features

•**Fast Action** (The biocides within Aerocare take between 30 seconds to 2 minutes to eliminate bacteria, mould, fungi and inactivate viruses.)

•**Wide Spectrum**

•**pH Neutral**

•**Non Alcohol / “Halal”**

•**Water Based**

•**Environmentally Friendly/Bio degradable**

•**Long Lasting Effects** min(up to 7 days subject to situations)

•**Use As Is (No Dilution Required)**

•**Class IV biocides (similar to those used in cosmetics)**

## Why Aerocare?



### Other disinfectants:

	Residual	Broad Spectrum	Damages surfaces	Hazardous to users	Flammable	Obnoxious odours	Unstable	Slow kill time
Alcohol	NO	NO	YES	YES	YES	YES	NO	YES
Chlorine	NO	YES	YES	YES	NO	YES	YES	NO
Glutaraldehyde	NO	YES	YES	YES	NO	YES	YES	NO
Peroxygen	NO	YES	YES	YES	NO	NO	YES	NO
Iodine	NO	YES	YES	YES	NO	NO	YES	YES
Phenol	NO	YES	YES	YES	YES	YES	YES	NO
QAC	NO	YES	NO	YES	NO	NO	NO	NO
<b>AEROCARE</b>	<b>YES</b>	<b>YES</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

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### In summary, other disinfectants:

- **Have no residual effects**
- **Ineffective against some viruses.**
- **Can damage surfaces.**
- **Can be hazardous to users.**
- **Can be flammable.**
- **Have obnoxious odors.**
- **May be unstable.**
- **Have relatively slow kill times.**

**Aerocare overcomes all these limitations.**



## **PRODUCT ACCREDITATION**

All Aerocare products has Been Tested and Approved:

- Aerocare ESU Sanitisers
- Aerocare Cabin Conditioner

Have been tested and approved in accordance with:

- Boeing D6-7127, Revision M (9 April 11, 2003)
- AMS 1452B
- AMS 1453
- AMS 1550B
- JAR 25.853 Appendix F Part 1 (a) (1) (ii)
- CAA 8/2 2-2 (b)
- FDA of Thailand
- Ministry of Health, Malaysia
- Pantai Premier Pathology

## Aerocare™ Sanitisers

**Aerocare ESU Sanitiser trigger spray**, giving a high level of cleaning power with the added benefit of total sanitisation and residual activity.  
Sizes 750 ml, 5lts, 20lts



**Aerocare Sanitary wipes**, a biodegradable impregnated spun lace folded wipe, for wiping lavatory and sanitary fittings prior to use.  
pack size 15 wipes



**Aerocare Pearlished luxury soap**. Contains the same hand sanitiser used within the wipes. Optional fragrances available (subject to minimum order) pack size 250 ml, 5 lts, 20 lts



## Aerocare, Special Applications

- This allows Aerocare to be tailor made to specific applications for your industry.



**AEROCARE : Common Application to Industries**

**FOOD**



**MEDICAL**



**HOTEL/RESIDENTIAL**



**AIRLINE**

