

Airstel™



Airborne Surface Disinfectant

Airstel is a single-use aerosol disinfectant designed for the bactericidal, fungicidal and virucidal disinfection of inaccessible surfaces.

Features

- Proven effective against airborne *Aspergillus niger*
- Compact
- Easy to store
- Requires no preparation of solution
- Simple to use
- With a pleasant cinnamon odour
- Non-flammable
- Compatible with a wide range of surfaces and equipment

Applications

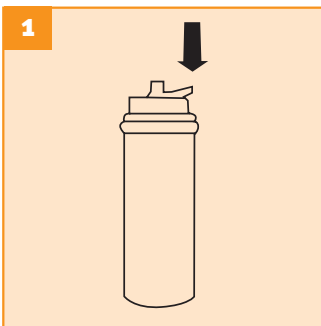
Airborne surface disinfection in:

- Operating theatres
- Intensive care units
- Isolation wards
- Mortuaries
- Other critical areas within the hospital

Airstel is proven effective against:

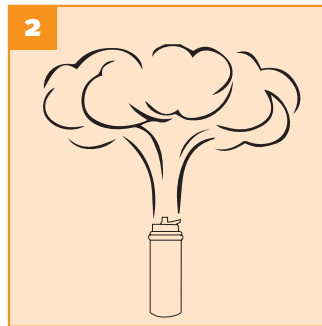
- Enveloped viruses such as H1N1, Flu, Coronavirus (SARS/COVID-19), Ebola, Hepatitis and HIV.
- Bacteria, such as *Staphylococcus aureus*, *Enterococcus hirae*, *Pseudomonas aeruginosa* and *Escherichia coli*.
- Fungi, such as *Aspergillus niger* and *Candida albicans*.

How to use



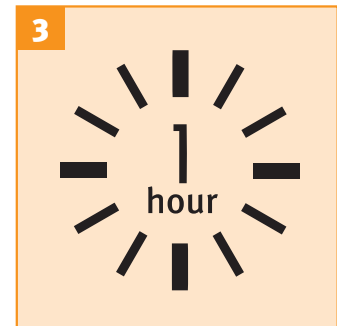
Step 1

Direct the valve away from you and press down the lever. Note: immediately after pressing down the lever, the Airstel formulation is released from the bottle. Point the valve away from you at all times.



Step 2

Place the bottle on an even surface and leave the room. Airstel forms a cloud that covers approximately 40m³ in 1 minute (50ml bottle) and 150m³ in 3 minutes (300ml bottle).



Step 3

Ventilate and allow a period of one hour before re-entering the premises.

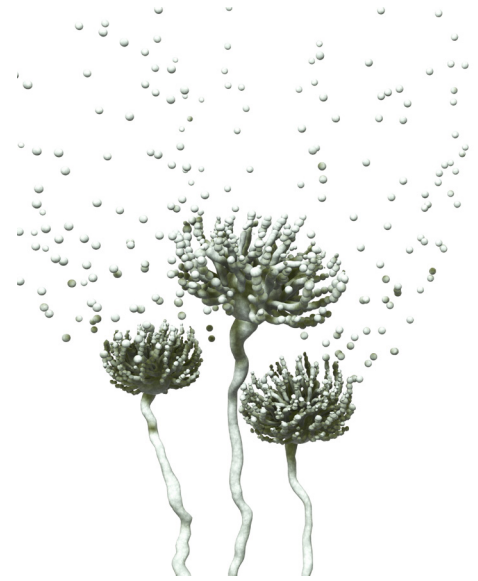
Note: Always follow hospital protocols and manufacturer's instructions.

Airborne Surface Disinfectant

One of the challenges healthcare facilities face is to do with *Aspergillus* mitospores. They are relatively small (under 2.5 micron), which makes it difficult for air filters to capture them.

Aspergillus mitospores can settle in human lungs causing respiratory illnesses such as *Aspergillosis*. Effective airborne surface disinfection is essential.

Airstel's total discharge valve permits the nebulisation of the content in a single application. Within seconds a cloud of disinfectant is formed that will capture even the smallest of mitospores.



Microbiocidal efficacy

Airstel consists of a blend of active ingredients, with ultimate-generation quaternary ammonium compounds combined with intervening agents and active extracts of essential oils. Airstel is proven bactericidal, fungicidal and virucidal in accordance with European Norms as tested by independent laboratories.

Microorganism Type	Organism Name	Test Methodology	Contact Time
Fungi	<i>Candida albicans</i> & <i>Aspergillus niger</i>	EN1650	15 minutes
Bacteria	<i>Enterococcus hirae</i> , <i>Staphylococcus aureus</i> , <i>Pseudomonas aeruginosa</i> , <i>Eschericia coli</i> , <i>Streptococcus equi</i> & <i>Bordetella bronchiseptica</i>	EN13727 EN1276	1 minute 5 minutes

The active ingredients of the Airstel formulation present antimicrobial activity supported by studies performed by the manufacturer:

Fungi

Penicillium glaucum, *Trichophyton mentagrophytes*, *Microsporum canis*, *Clasdosporium clasdosporoides*, *Penicillium verrucosum* and *Aspergillus versicolor*.

Viruses

- Vaccinia virus (Poxvirus), Influenza virus (orthomyxovirus), Adenovirus, Rhabdovirus and Herpes virus - **1 minute**
- Newcastle disease virus, Influenza virus PR8, Poxvirus WR119-ATCC, Herpes virus 1-HF-VR260 ATCC, Orthomyxovirus AWSN, Adenovirus type 2 and Rhabdovirus VSV*1145/67 - **5 minutes**
- Vaccine virus, Virus IBR/JPV Colorado, Hepatitis virus B and Virus VIH-1 (HSV) - **15 minutes**

Test data available on request.