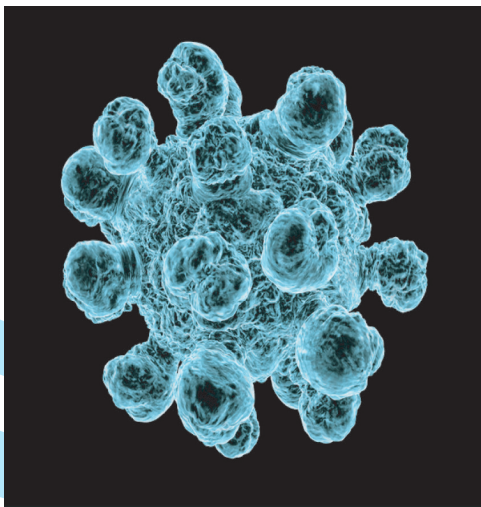


## Aerobiotix® T1 Air Disinfector-Recirculator

A powerful solution for the continuous deactivation and removal of pathogenic airborne bacteria, spores, and viruses from occupied health care areas.



**Aerobiotix**<sup>™</sup>  
AIR DISINFECTION TECHNOLOGY

## AIRBORNE PATHOGEN CONTROL: A critical component of your quality control plan.

Optimizing air quality in health care settings is becoming a **best practice** for quality control stakeholders. International guidelines have recommended as low as 10 CFU/m<sup>3</sup> of airborne bacteria in critical care zones, however few facilities have attempted to achieve compliance with these levels. Commonly isolated airborne microorganisms in health care settings include *Staphylococcus epidermidis*, *Staphylococcus aureus* (including MRSA), and *Pseudomonas* species. Highly contagious airborne viruses such as *H. Influenzae*, and measles virus are frequently isolated in ambulatory settings.

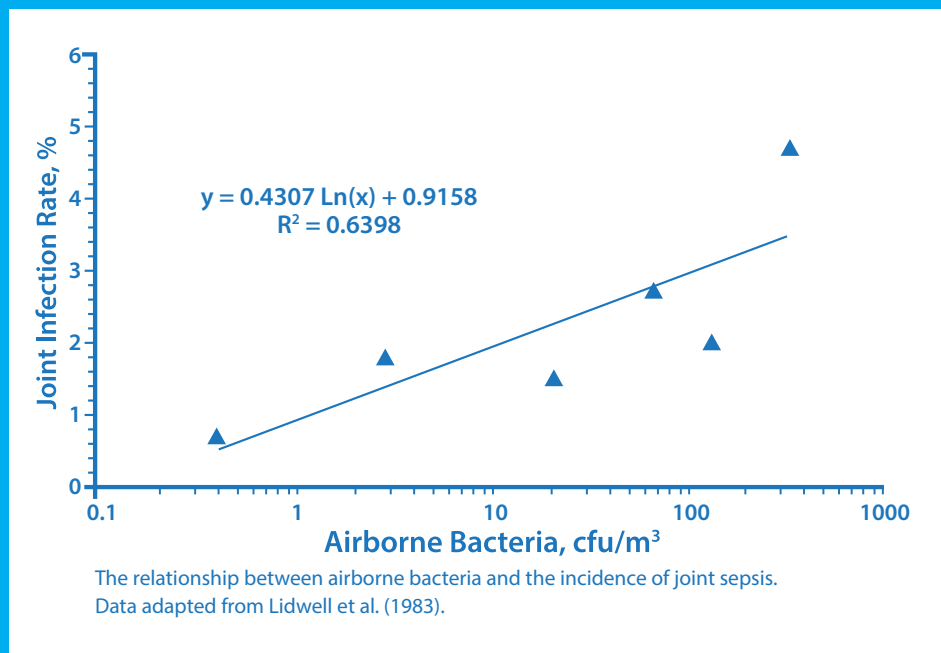
Pathogen control in health care settings has typically centered around surface disinfection and skin barrier methods. However, data has shown that the use of hospital masks and gowns does NOT result in a significant decrease in airborne concentrations of bacteria, and most of the airborne bacteria come from the room occupants, not from room surfaces.

Current facility air handling systems, including air exchange, laminar flow and positive pressure systems, may not be adequate to deactivate airborne pathogens, as multiple studies have isolated bacterial levels in the 50-250 CFU/m<sup>3</sup> range, despite modern facility air systems being in place. Aerobiotix has developed a safe and effective mobile system for the deactivation and removal of airborne pathogens for continuous operation in occupied rooms.

# \$26K

**FACT:** The average readmission for patients with surgical site infection (SSI) is \$26,000.  
Source: Journal surgical infection, 2006

### THE RELATIONSHIP BETWEEN AIR CONTAMINATION AND SSI



# 82%

**In an operating room setting using the Aerobiotix T1, reduced the airborne bacteria levels from 39 to 7 CFU/m<sup>3</sup>**

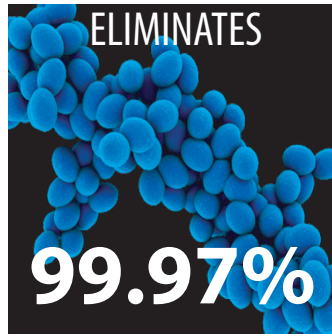
Infection rates in joint replacement surgery are correlated with airborne concentrations of bacteria near the wound (Lidwell, 1983).

## AEROBIOTIX 3D-UV: The State of the Art in Air Germicidal Technology

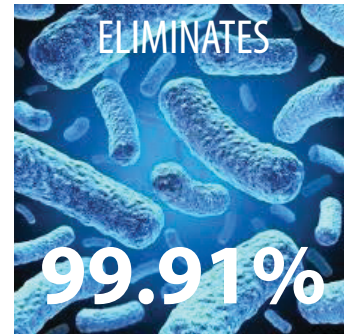
3D-UV (TM) is a proprietary technology which combines the germicidal properties of UVC irradiation with a unique solid, UV-transmissible filter media to capture suspended organisms and bioaerosols while concentrating exposure to UVC irradiation. This system delivers greater inactivation efficiencies across a broad spectrum of pathogens and at higher air flows than prior technologies. As confirmed by independent laboratory studies, the Aerobiotix T1 inactivates 100% of viruses, 99.97% of bacteria, and 99.91% of spores in a single pass through the unit.



**VIRUSES**



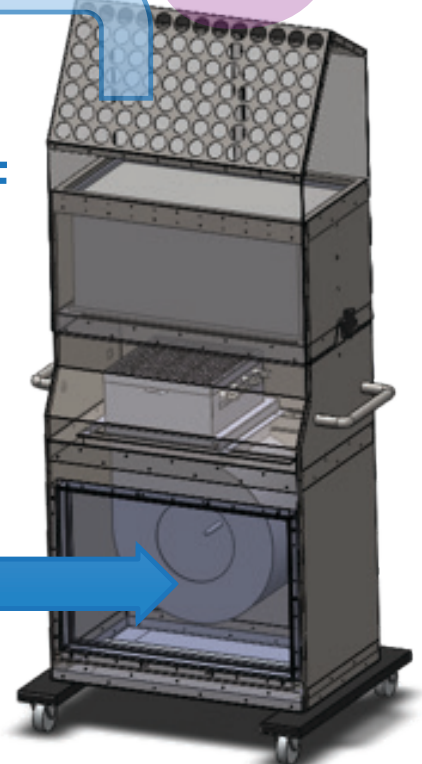
**BACTERIA**



**SPORES**

# 3D-UV

**THE AEROBIOTIX T1 RECIRCULATES  
AND DISINFECTS 450 CUBIC FEET OF  
AIR PER MINUTE RESULTING IN A  
TOTAL ROOM AIR DISINFECTION  
CYCLE EVERY 8 MINUTES FOR A  
20 X 20 SQ. FT ROOM.**



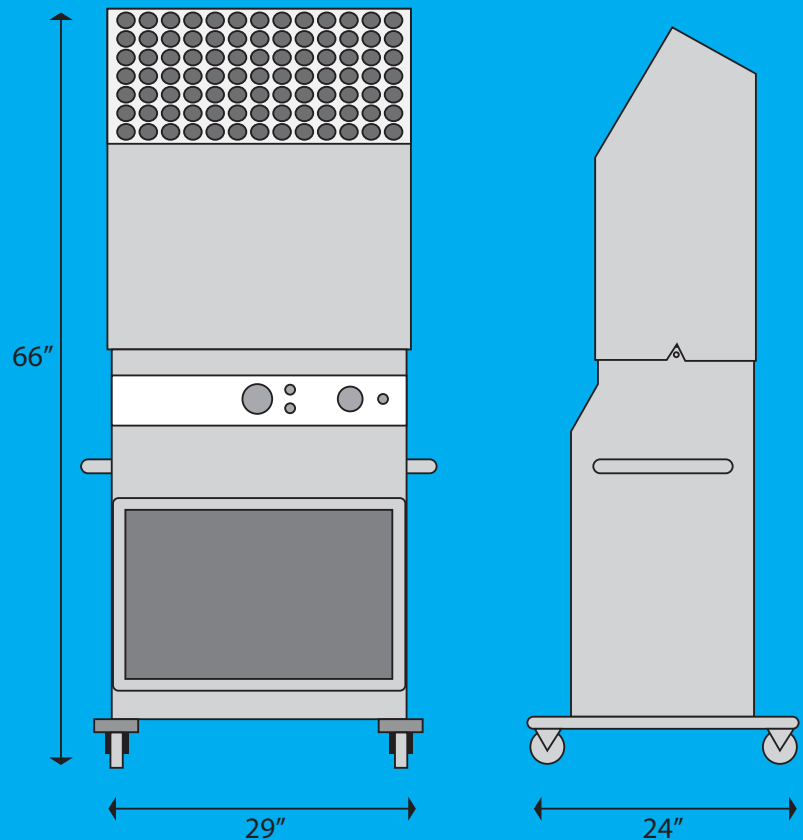
# 8min

### SAFETY AND CONVENIENCE:

All Aerobiotix T1 UV components are internal, so there is no exposure of room occupants to UV irradiation, no door or window masking required, and the device can be relocated as required to areas of need. It is intended to be used continuously in occupied or unoccupied rooms, so it does not disrupt schedules or require special planning.

## SPECIFICATIONS:

- 500 CFM Air flow
- 115 VAC ½ HP Motor/Blower
- 4 X 16W UVC tubes
- Electronic Ballasts
- Quartz germicidal chamber
- Pressure gage to 2 in. H2O
- LED lamp integrity indicators
- Hour meter
- E-stop switch
- Full stainless steel construction
- MERV 11 Pre-Filter 24" x 16 X 1"
- HEPA Post Filter 24" x 12" x 12"
- Adjustable-height top vent



Distributed by:



3/17 Rodborough Rd, Frenches Forest NSW 2086  
PO Box 6052, Frenches Forest DC NSW 1640, Australia  
Customer Service T: 1300 665 884 F: 1300 665 886  
[www.surgicalspecialties.com.au](http://www.surgicalspecialties.com.au)

4B Ride Way, PO Box 301-218  
Albany, Auckland, New Zealand  
Customer Service: T: 0800 665 884 F: 09 447 1685  
[www.surgicalspecialties.co.nz](http://www.surgicalspecialties.co.nz)

WARNING: See user manual for important safety instructions.  
Specifications are subject to change without notice.

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or servicemarks of Aerobiotix, Inc.

Patents Pending

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Rev A

**Aerobiotix**<sup>™</sup>  
AIR DISINFECTION TECHNOLOGY

**Aerobiotix, Inc.**  
454 Alexandersville Rd.  
Miamisburg, OH 45429 USA  
888-978-7087 [www.aerobiotix.com](http://www.aerobiotix.com)