

Aerus ActivePure® Shield:

For Air and Surfaces in Dentistry



Dental Clinics Face Unique Problems

- Need access to the patient's mouth
- Need multiple patients per day to be profitable
- A unique environment in which PPE and social distancing are very difficult to enforce, making the virus easy to pass on



Evolution of air purification



1870

1870's Intro of
Charcoal (Carbon
filtration)



2000

Early 2000's
introduced new tech
(Ionization / PCO /
UltraViolet)



2017

Aerus' ActivePure Technology
inducted into the Prestigious
Space Technology Hall of Fame:
one of only 75 technologies to
receive such an honor in 30 years

1940



HEPA filters were developed in
the early 1940s and used first
by the Manhattan Project to
contain the spread of airborne
radioactive contaminants

2009

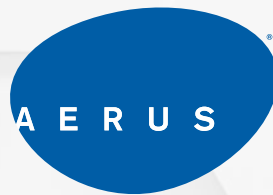


Early generation of NASA
Certified Space air and surface
purification technology
introduced



ActivePure® Technology

THE SOLUTION:





Benefits of ActivePure Technology



Watch this short video to learn about the benefits of ActivePure® Technology.



How ActivePure Technology Works



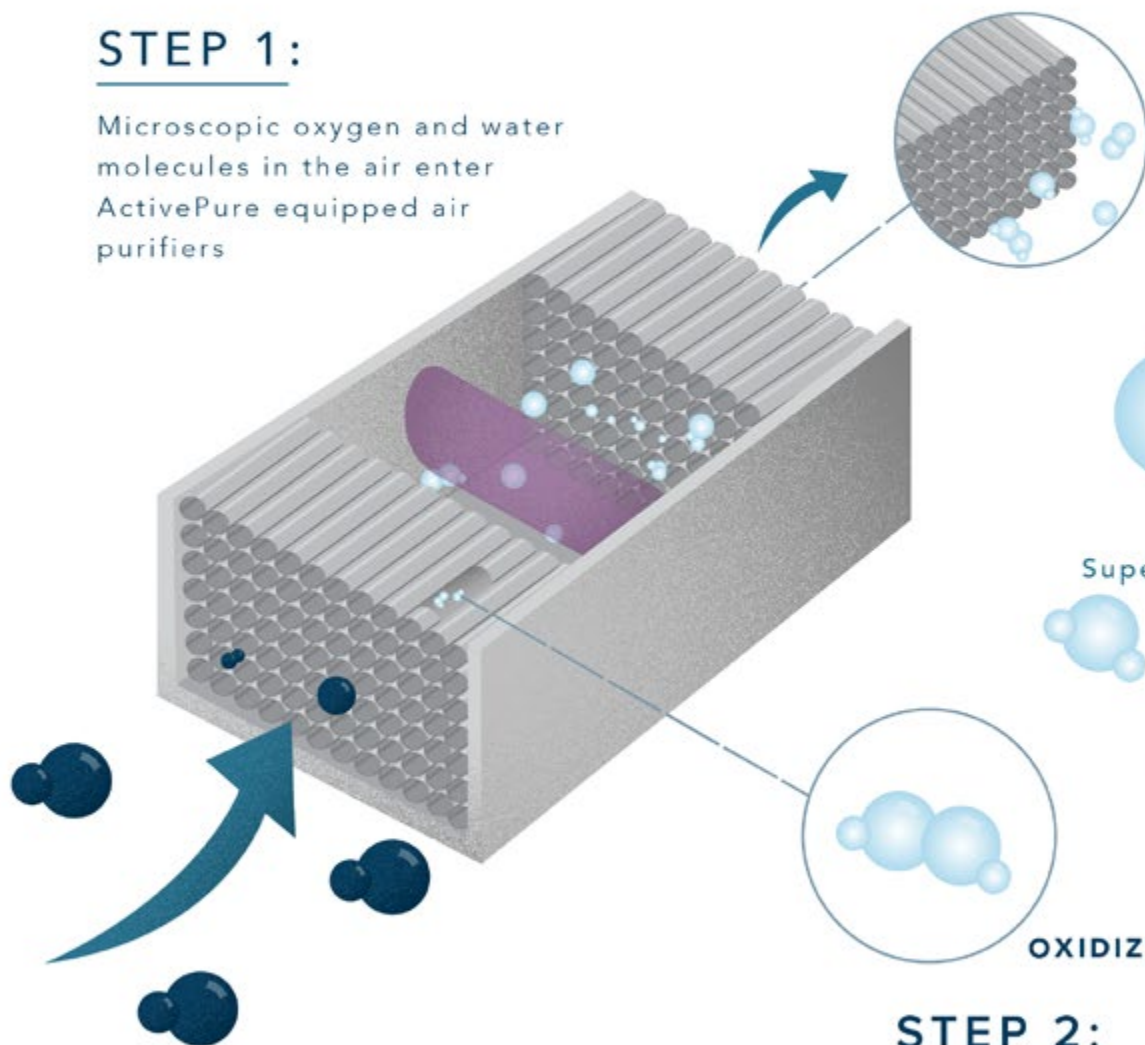
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HOW ACTIVEPURE TECHNOLOGY WORKS

The science behind this technology is incredible.

STEP 1:

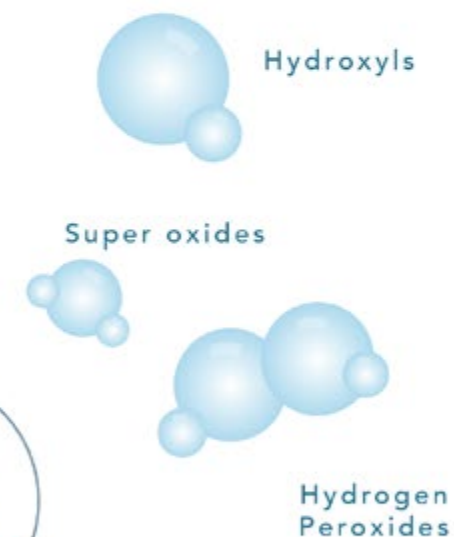
Microscopic oxygen and water molecules in the air enter ActivePure equipped air purifiers



WATER AND OXYGEN ARE ABSORBED BY THE ACTIVEPURE HONEYCOMB MATRIX

STEP 3:

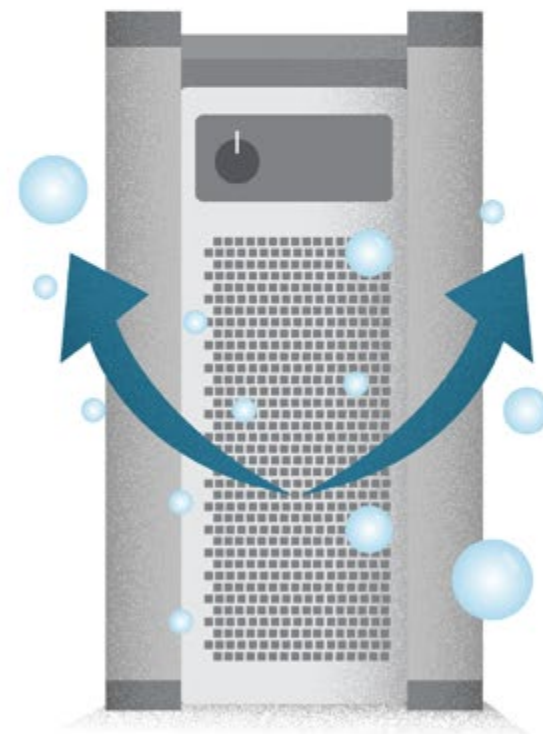
When they're released back into the air, the supercharged ActivePure molecules seek and rapidly destroy contaminants, fungi, mold, and odor-causing bacteria



OXIDIZERS ARE MADE

STEP 2:

They pass through the ActivePure honeycomb matrix and transform into friendly-yet-powerful oxidizers



BEYOND GUARDIAN AIR PURIFIER



The Dental Clinic Solution:

**ActivePure® Technology purifies air
and reduces surface contaminants
such as viruses and bacteria 24/7**

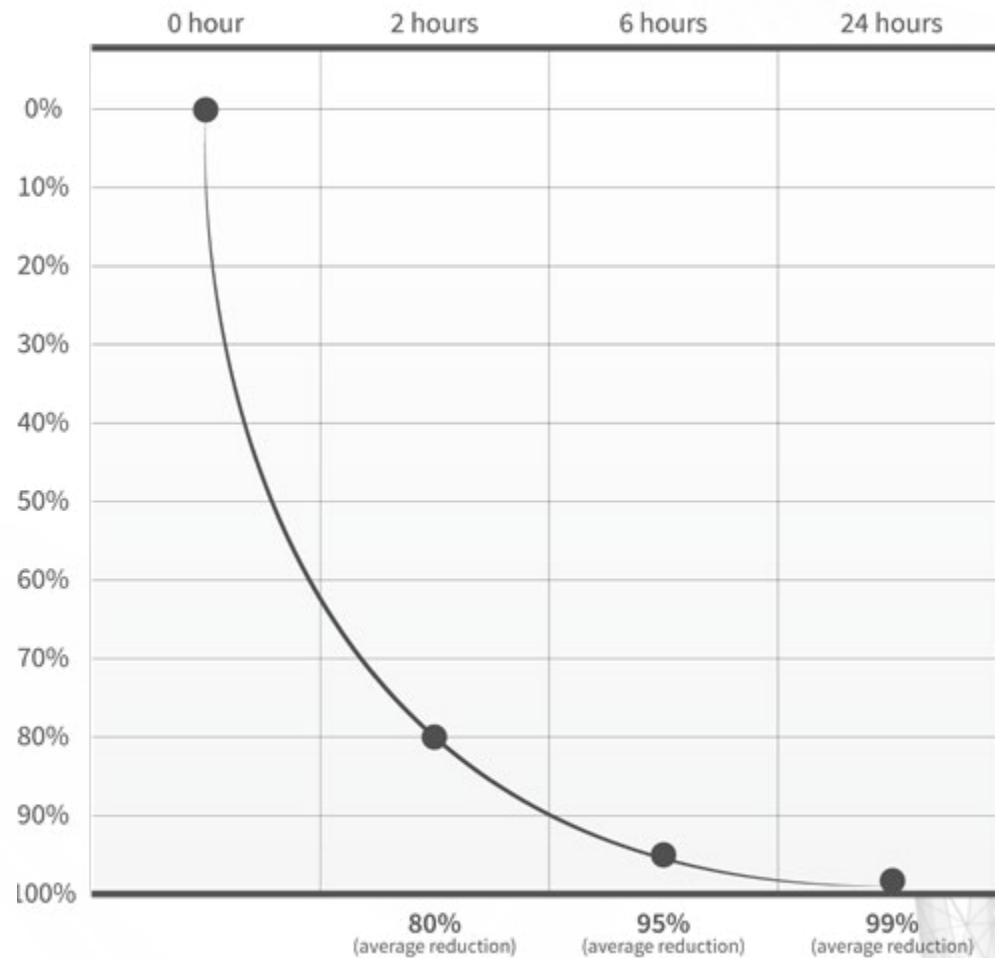


ACTIVEPURE HAS BEEN PROVEN EFFECTIVE IN THE **REDUCTION** **OF SURFACE CONTAMINANTS**

Reduction of Airborne Contaminants – testing conducted by
KANSAS STATE UNIVERSITY

**OVER 99%
REDUCTION**
of microbes in 24 hours!

**OVER 80%
REDUCTION**
in just 2 hours!



Microbes Tested

- Staph (*S. aureus*)
- E. Coli
- Bacillus spp.
- MRSA (*S. aureus* r)
- Strep (*Streptococcus* spp.)
- Pseudomonas spp.
- Listeria (*L. monocytogenes*)
- C. albicans
- S. chartarum
- Avian-Bird Flu (Influenza Virus H5I)
- Hepatitis (Hepatitis A HAV)
- Swine Flu (H1N1)
- Norovirus





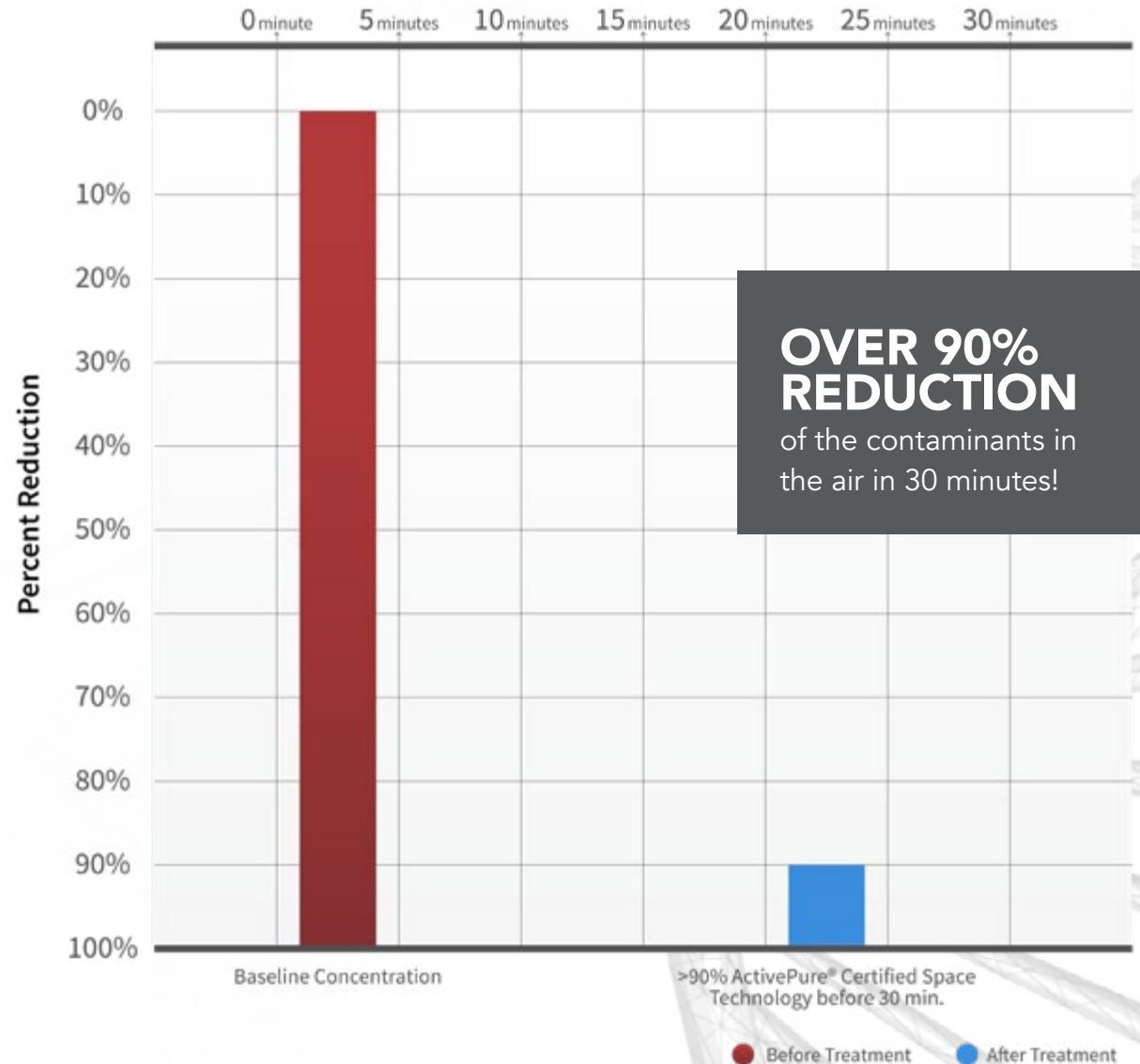
ACTIVEPURE HAS BEEN PROVEN EFFECTIVE IN THE **REDUCTION OF AIRBORNE CONTAMINANTS**

In only 30 minutes our technology reduces over 90% of the contaminants in the air - **which is 50 times more powerful** than normal HVAC filtration

Results based on laboratory testing. Scientific testing has demonstrated the use of ActivePure® Technology to substantially reduce airborne and surface contaminants.

Field results may vary based on environmental conditions. These results have not been certified by the FDA.

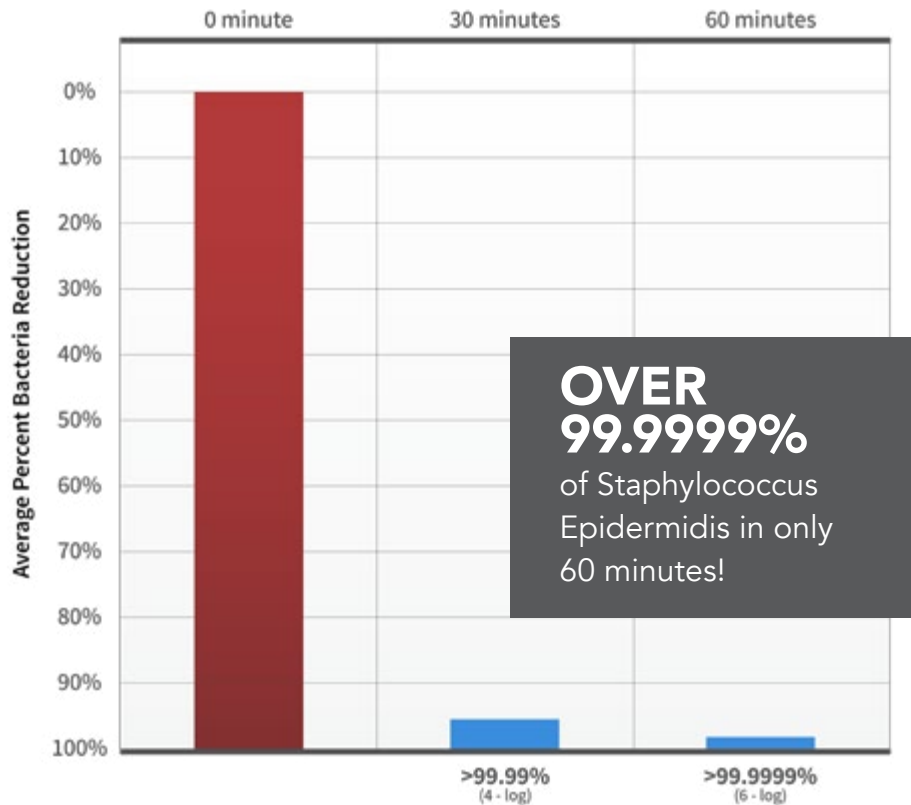
Reduction of Airborne Contaminants – testing conducted by
UNIVERSITY OF CINCINNATI



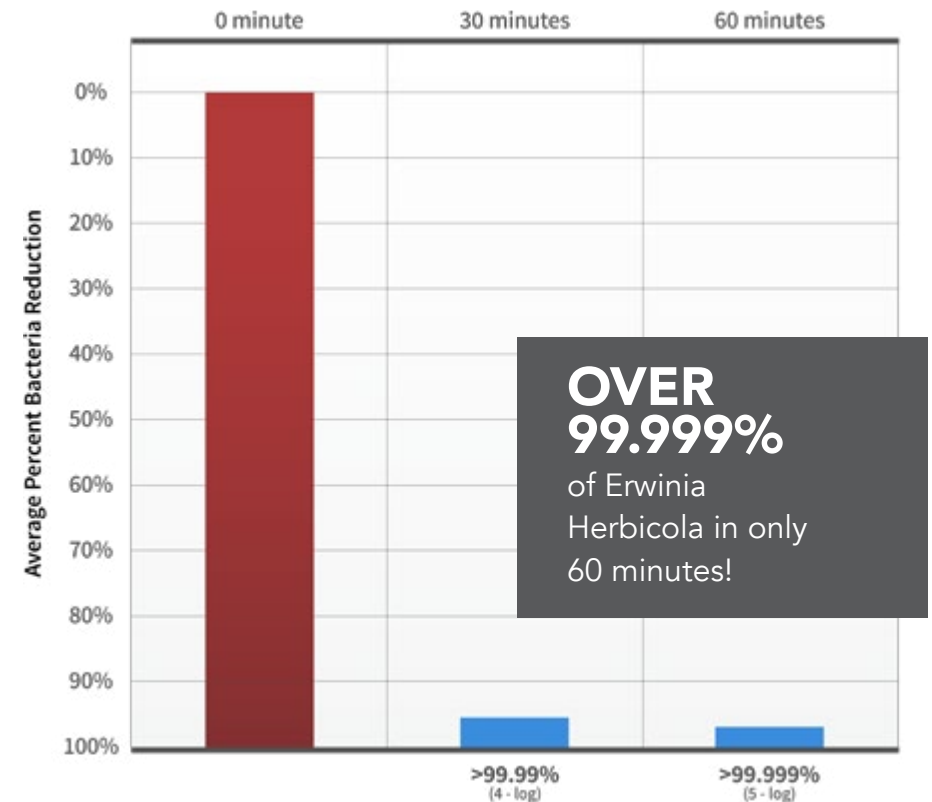


ACTIVEPURE HAS BEEN PROVEN EFFECTIVE IN **FDA-COMPLIANT LAB TESTING AGAINST GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA.**

Reduction of Airborne Contaminants *Staphylococcus epidermidis* – Gram-positive Bacteria



Reduction of Airborne Contaminants *Erwinia herbicola* – Gram-negative Bacteria



Results based on laboratory testing. Scientific testing has demonstrated the use of ActivePure® Technology to substantially reduce airborne and surface contaminants.

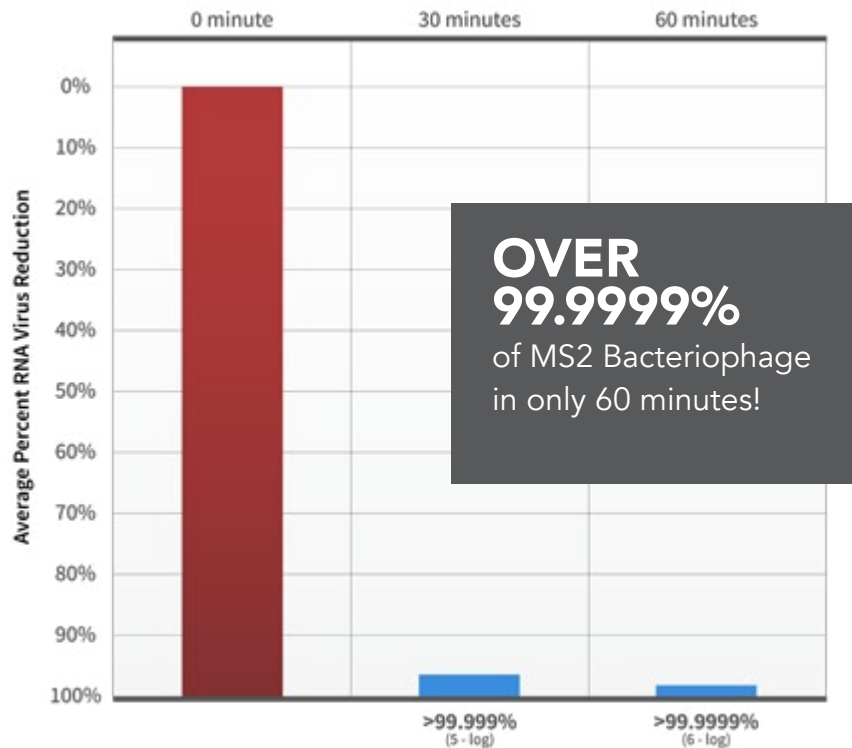
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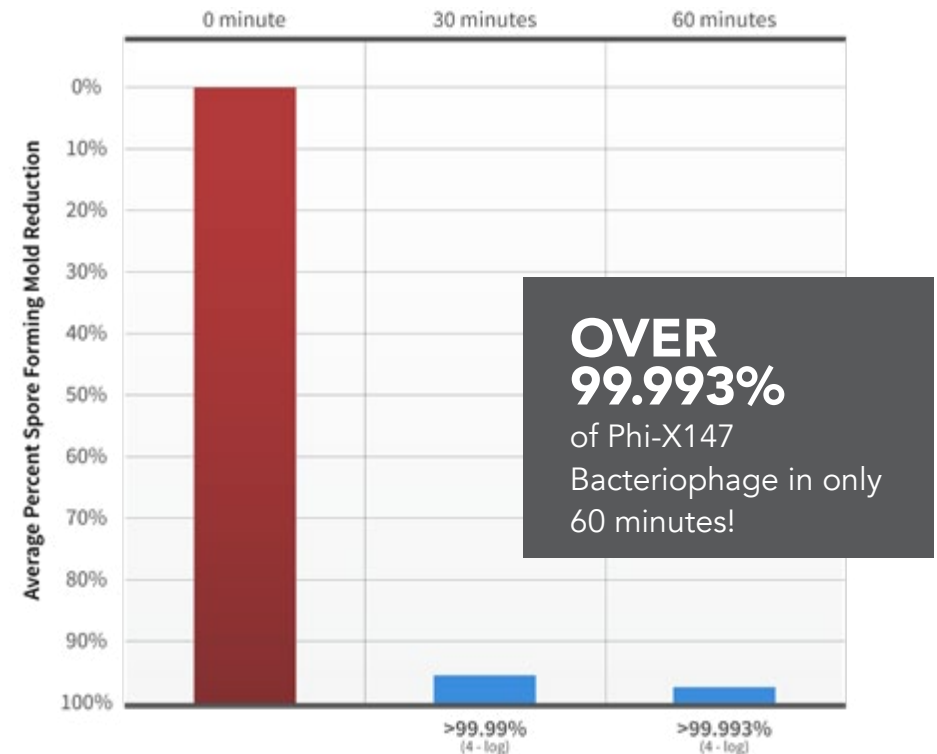


ACTIVEPURE HAS BEEN PROVEN EFFECTIVE IN **FDA COMPLIANT LAB TESTING AGAINST RNA VIRUS AND DNA VIRUS.**

Reduction of Airborne Contaminants MS2
bacteriophage RNA Virus



Reduction of Airborne Contaminants Phi-X147
bacteriophage DNA Virus



Results based on laboratory testing. Scientific testing has demonstrated the use of ActivePure® Technology to substantially reduce airborne and surface contaminants.

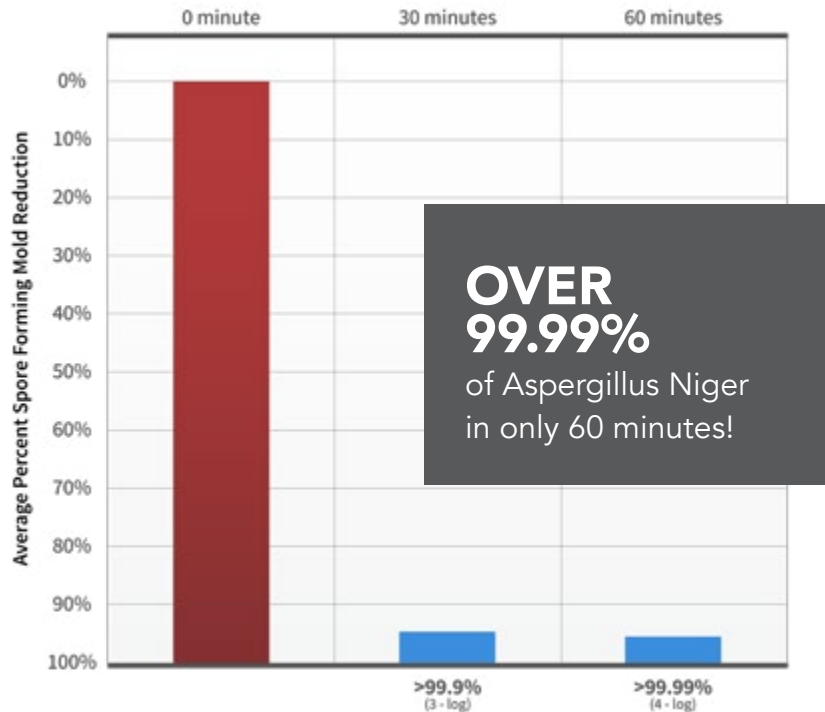
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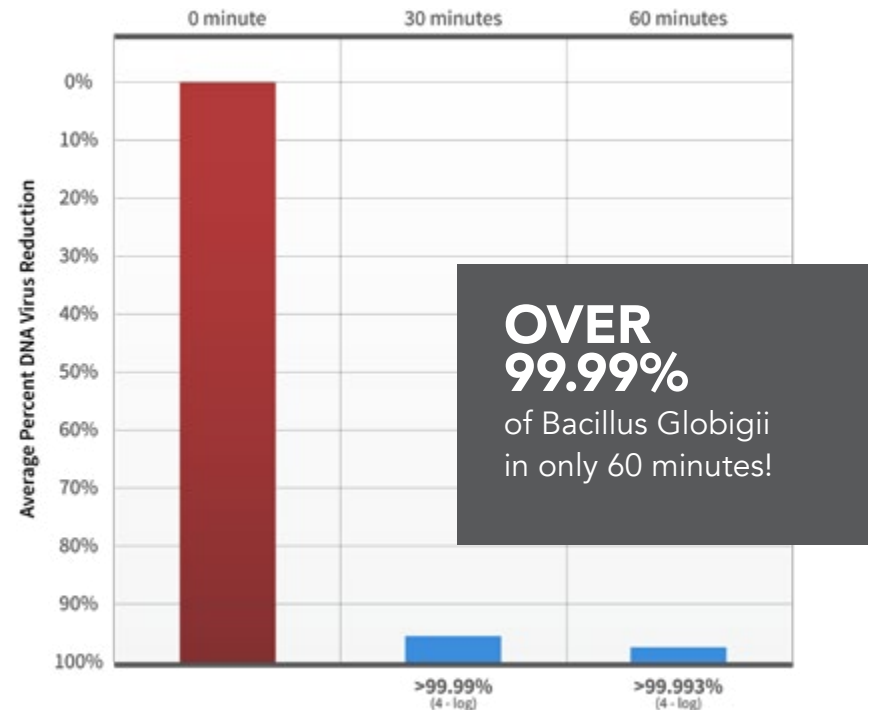


ACTIVEPURE HAS BEEN PROVEN EFFECTIVE IN **FDA COMPLIANT LAB TESTING AGAINST FUNGAL SPORE MOLD AND BACTERIAL SPORE MOLD.**

Reduction of Airborne Contaminants
Aspergillus niger (Fungal Spore Mold)



Reduction of Airborne Contaminants Bacillus globigii (Bacterial Spore Mold)



Results based on laboratory testing. Scientific testing has demonstrated the use of ActivePure® Technology to substantially reduce airborne and surface contaminants.

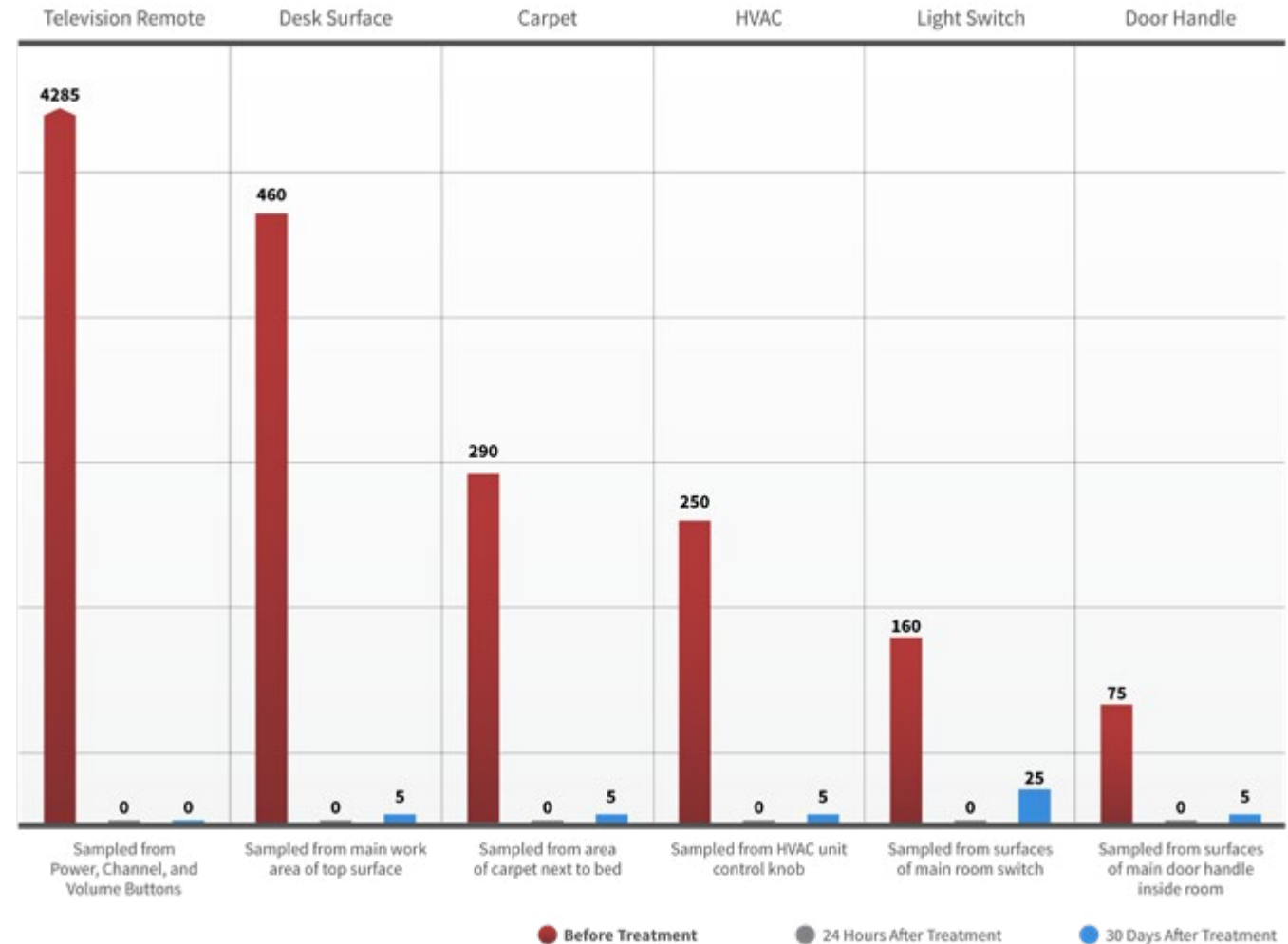
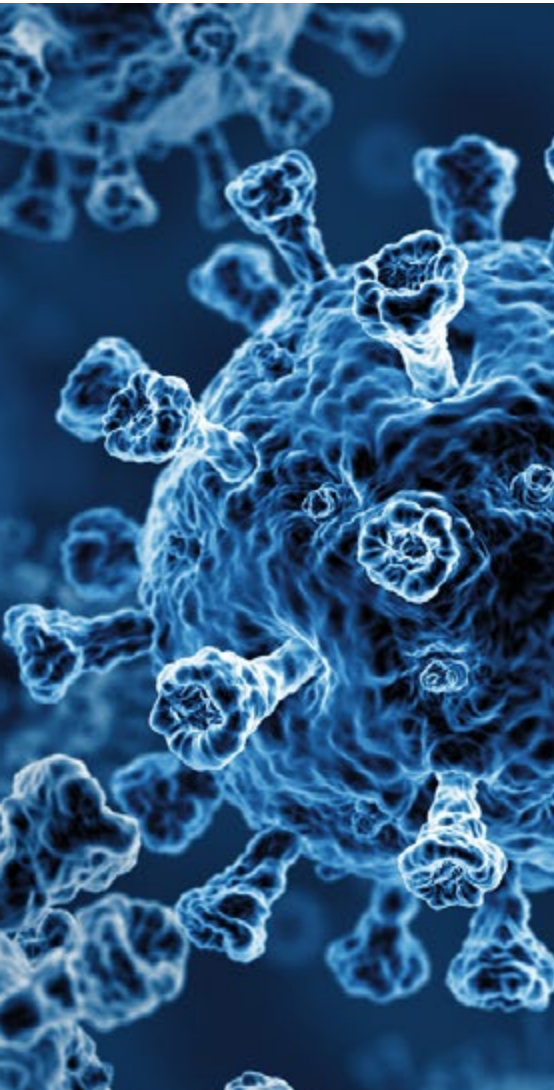
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Case studies



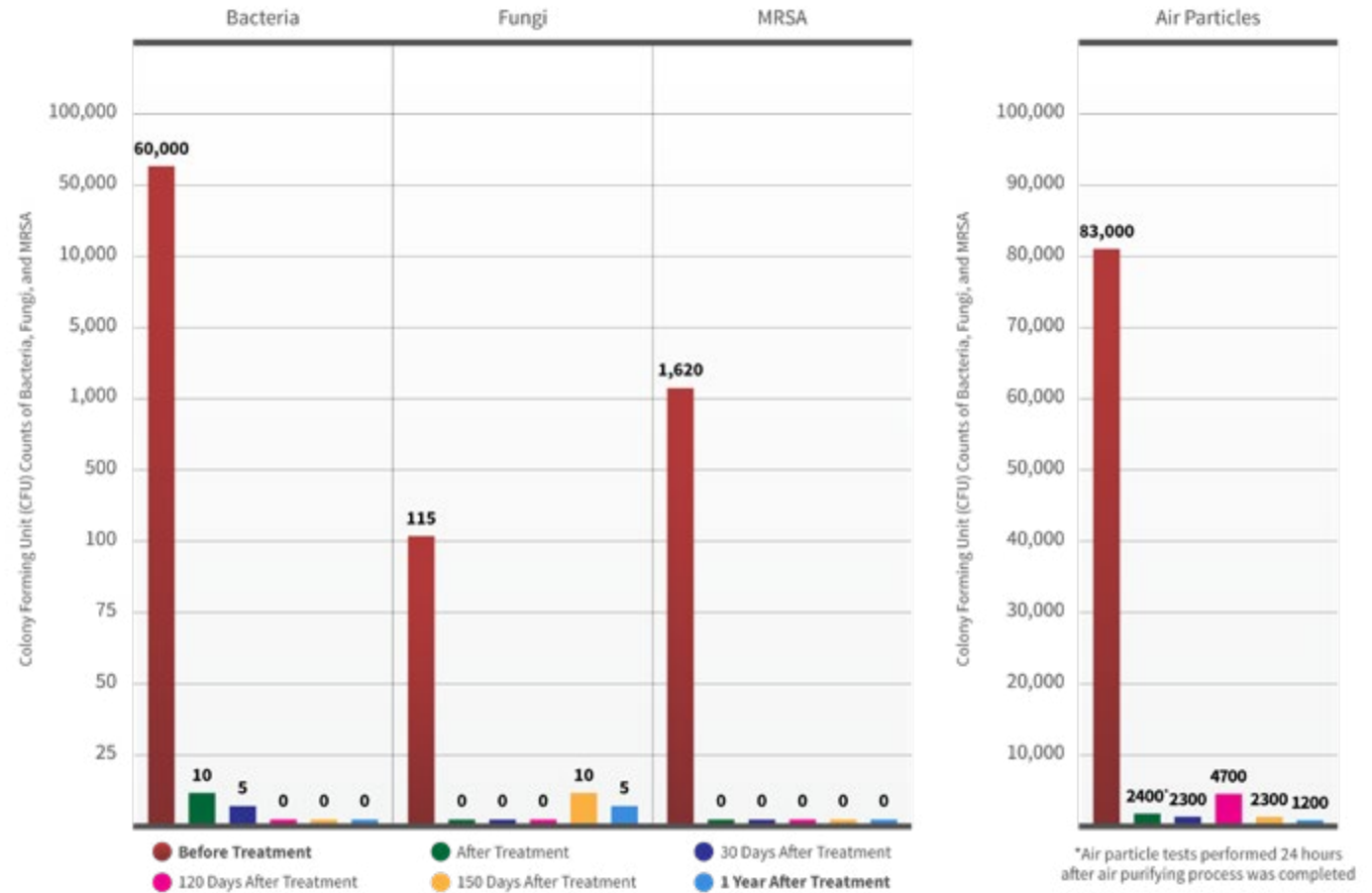
ACTIVEPURE TECHNOLOGY INSTALLED IN HOTELS (**BACTERIA***)



*As part of our 15-step patented purification process



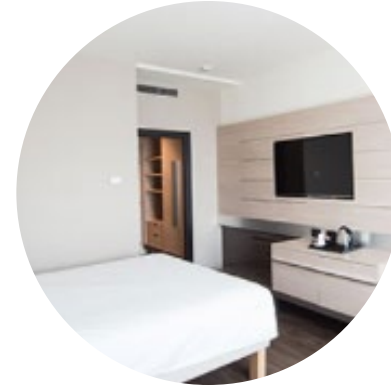
ACTIVEPURE TECHNOLOGY INSTALLED IN **MAJOR LEAGUE BASEBALL***



*As part of our 15-step patented purification process

Where it's used

- Hospitals
- Homes
- Doctors' offices
- Assisted living facilities
- Schools
- Veterinary clinics
- Athletic facilities
- Hotels
- Liberty Bell
- Businesses
- Ground Zero Museum
- Automobiles



BEYOND GUARDIAN AIR

The only air purifier on the market that uses an exclusive combination of technologies, including ion generation, a sealed better-than-HEPA filter, Photocatalytic Oxidation and our proprietary ActivePure® Technology, which is university tested and proven effective against bacteria, viruses, mold and fungi in the air and on surfaces.

BENEFITS

- Coverage up to 2,000 sq. ft. (185.8 m²)
- Eliminates common triggers of allergies, asthma, and irritants to those with sensitive immune systems
- Portable, no installation required
- Destroys VOCs, smoke and odors without ozone
- ActivePure® is the only air purification technology recognized exclusively, worldwide, as Certified Space Technology.
- 5-year limited warranty available (terms & conditions apply)
- Operates 24/7
- 5-year limited warranty

HOW IT WORKS

- Uses ActivePure® Technology to create pristine air quality and attack contaminants on surfaces
- Ten unique features include technologies to capture 99.97% of particles as small as 0.1 micron

UNIQUE FEATURES

- Directional air intake for less resistance
- Multi-point ion generator creates electrically charged attraction to the filter
- Carbon layer prefilters large particles and odors
- Water-proof, polypropylene filter captures 99.97% of particles as small as 0.1 micron, performing at levels better than HEPA
- UVC light is a germicidal lamp
- ActivePure® Technology is a proprietary, active, Certified Space Technology that goes into the room to destroy contaminants in the air and on surfaces
- 4-speed dual intake fan moves particles toward filter
- Angled blades at emission point create dynamic air flow through room
- Whisper quiet HEPA silent™ setting on 4-speed control knob
- Durable all-steel construction for durability & sound-insulation



AERUS PURE & CLEAN

Aerus Pure & Clean combines five nature-based processes into one unique, proven, active technology system that helps clean the air you breathe and the surfaces you touch, without the use of ozone.

BENEFITS

- New & improved PATENTED ActivePure® Cell destroys over 99% of all surface and airborne contaminants faster
- Reduces airborne contaminants and allergens that can trigger asthma and allergy symptoms
- Freshens air and removes odors in otherwise stale-prone environments
- Removes dirt and dust from the air to make cleaning easier
- Portable, no installation required
- Destroys VOCs, smoke and odors

HOW IT WORKS

- Our proprietary ActivePure® Technology uses light waves and a catalytic process to produce super oxide ions and hydro peroxides that destroy contaminants in the air and on surfaces
- Features a high intensity UVC light that makes use of the same oxidation and ionizing properties of light as naturally occurring sunlight
- Certified Space Technology continuously protects and purifies the environment
- Proven effective in independent studies against bacteria, viruses, mold and fungi in the air and on surfaces

UNIQUE FEATURES

- Positive and Negative Multi-point and RF Ion Generation
- Five Speed Fan
- LED Display
- Maintenance Reminders
- Replaceable ActivePure® Cells
- Removable Rear Grill
- Universal Power Supply with cords
- HEPA and Activated Carbon Filters

