**Blue Wave International** 

# ClearWave Air

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# **ClearWave Air**

**Synergistic Innovation Proven by:** 

Science
Third Party Testing
Health benefits-often times within hours
User Experience Testimonies



# Friends and





How does ClearWaveAir differ from other air purifiers?

# Effective Performance

ClearWave Air addresses contagious diseases including **Staphylococcus**, cold, influenza, SARS, tuberculosis, pneumonia, meningitis, respiratory disease, and Bird Flu.

ClearWave Air eradicates disease-causing organisms that pass through the CWA200 Kill Chamber.



# Clear Wave Air is a Mold Buster

### Intertek Penicillium\* Mold Tests

In recent Intertek tests, the current production model ClearWave Air unit was tested for its ability to destroy Penicillium citrinum mold spores. This organism is far more difficult to destroy than Staphylococcus or most other bacteria and viruses. The test chamber was populated with 1.7 billion live organisms. In a 4-hour period, the ClearWave Air unit completely eliminated the organisms. This equals a Penicillium citrinum reduction of 7.1 million organisms per each minute of operation.

### **Intertek Staphylococcus Tests**

To determine the effectiveness of Blue Wave technology against MRSA, Intertek Laboratories tested an early ClearWave Air prototype for its ability to destroy Staphylococcus epidermis. In the Intertek standardized test, the test chamber was populated with 100 million bacteria. In a 4-hour period, the ClearWave unit reduced the bacteria count by 93.4%. This equals a Staphylococcus reduction of 389 thousand organisms per minute of operation.

\*Penicillium mold is a significant trigger for asthma and allergies and one of the most difficult microbial organisms to destroy.



# ClearWave Air Potency (MIT Study)

### Plot of UV-Tube Prototype Fluences (doses) Compared with the Pathogen

1 LOG (90%) 2 LOG (99%) 3 LOG (99.9%) 4 LOG (99.99%)	0	10	20	30	40	50	60	70	80	90	100
BACTERIA							_				_
E.coli (1,6,5,4)											
Legi nella pneumophila (1,4)											
Salmonella typhimunium (6,4)											
Pseudomonas aeruginosa (1,4)											
Shigella dysenteriae (1,4)											
Shigella paradynentaeriae (1)											
Shigella flexneri (1)											
Shigella sonnei (1,4)										rifier	
Staphylococcus albus (6)							bee				
Staphylococcus aureus (1,4)										anism	s
Streptococcus hemolyticus (6,4)						req	mJ/	g in e om²	exces	ss to	
Streptococcus lactis (6,4)						100	1115/	CIII			
Streptococcus viridans (6,4)											
Vibrio cholerae (1,4)											
VIRUSES											
Poliovirus 1 (1,3,3,8)											
Hepatitis A virus (1,3,3,10)											
Rotavirus SA11 (1,3,3,10)											
PROTOZOA											_
Giardia muris (1)											
Cryptosporidium parvum (9)											
HELMINTHS											
Nematode eggs (4)					1						

ClearWave Air

# ClearWaveAir Kills Mold

Mold Test in a Recreational Vehicle



Incubated Petri-dish shows the air sample taken on October 13 at the inception of the case study.

This Petri-dish shows an air sample taken on October 19 after 6 days of treatment.



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