

# The AOP™ Advantage

## Advanced Oxidation Process™

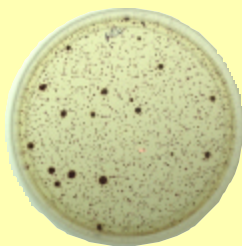
While UV systems are designed to kill mold on the HVAC coil, the PHI Cell does this, plus it adds advanced oxidants throughout the room to kill microbials at the source.

### The Sneeze Test

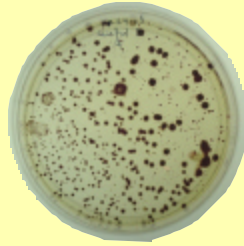
A double blind sneeze lab test at three feet. From an aspirated simulated sneeze in a 250 cu ft Bio Test Chamber.



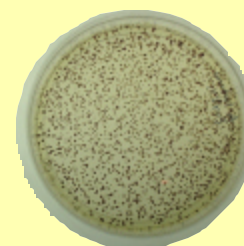
#### Without an AOP Cell



Test A-1

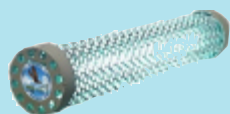


Test B-1

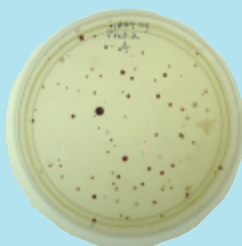


Test C-1

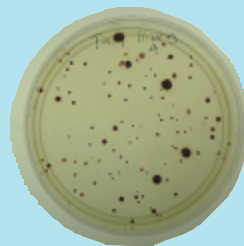
#### With an AOP Cell



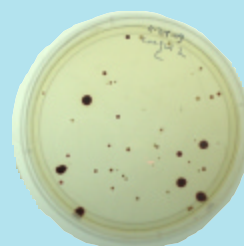
RGF PHI Cell



Test A-2



Test B-2



Test C-2

Average sneeze microbial reduction: 78%

### Validation

The AOP™ technology has achieved the following results in tests by commercial, governmental and academic independent labs:

- 4-log reduction (99.99%) surface bacteria reduction
- Tested and approved by the Chinese Government to aid in the protection against the SARS virus
- Over 80% VOC reduction
- 97% airborne bacterial reduction
- 85% odor reduction
- 99.99% bacteria in water reduction
- 97% airborne mold reduction
- Hospital approvals Infectious Diseases - U.S. and international
- 99% food surface microbial reduction
- Approved by the USDA, FSIS and FDA for use in food processing plants
- Fox News three-part indoor air series featured RGF and concluded substantial mold and bacteria reductions
- RGF's technology has been featured on Fox, ABC, CBS and in Popular Science Magazine

Note: AOP Cell is not a medical device and no medical claims are made