



How Nature Cleans\*

VETERINARY PATHOGEN CHART



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Testing of Advanced Photodynamic Oxidation Technology by Independent Laboratories, Universities & Facilities

Pathogen	Descriptive Examples	Results	Time Tested	Test Method
Canine Influenza	<b>Dog Flu</b>	<b>99.9% reduction</b>	24 hours*	On stainless coupons
	Lab Name: <b>In vitro</b> - Kansas State University, FDA & EPA approved, Drs. Ortega and Marsden, et al.			
Canine Parvovirus	<b>Parvo</b>	<b>99.6% reduction</b>	24 hours	On stainless coupons
	Lab Name: <b>In vitro</b> - Radil, LLC; FDA & EPA approved - Dr. Leila Riley, et al.			
Bordetella Bronchiseptica	<b>Kennel Cough</b>	<b>99.7% reduction</b>	24 hours	On stainless coupons
	Lab Name: <b>In vitro</b> - Kansas State University, FDA & EPA approved, Drs. Ortega and Marsden, et al.			
	<b>In Vivo Testing:</b> Freedom Service Dogs, Littleton, CO; 3 month study with continuing monitoring.			
Canine parainfluenza-3	<b>Kennel Cough</b>	<b>99.9% reduction</b>	24 hours	On stainless coupons
	Lab Name: <b>In vitro</b> - Kansas State University, FDA & EPA approved, Drs. Ortega and Marsden, et al.			
	<b>In Vivo Testing:</b> Freedom Service Dogs, Littleton, CO; 3 month study with continuing monitoring.			
Canine parainfluenza Type 2	<b>Kennel Cough</b>	<b>99.9% reduction</b>	24 hours	On stainless coupons
	Lab Name: <b>In vitro</b> - Kansas State University, FDA & EPA approved, Drs. Ortega and Marsden, et al.			
	<b>In Vivo Testing:</b> Freedom Service Dogs, Littleton, CO; 3 month study with continuing monitoring.			
Stachybotrys chartarum	<b>Fungus and Spores</b>	<b>99.4% reduction</b>	24 hours	On stainless coupons
	Lab Name: <b>In vitro</b> - Kansas State University, FDA & EPA approved, Drs. Ortega and Marsden, et al.			
Candida albicans	<b>Molds and Spores</b>	<b>99.5% reduction</b>		On stainless coupons
	Lab Name: <b>In vitro</b> - Kansas State University, FDA & EPA approved, Drs. Ortega and Marsden, et al.			
Volatile Organic Compounds	<b>Over 60 VOCs</b>	<b>Average of 91% reduction</b>	24 hours	VOC in enclosure
	Lab Name: <b>In vitro</b> - Avomeen Analytical Services, Ann Arbor, MI, FDA, cGMP, DEA, ACIL.			
	Lab Name: <b>In vitro</b> - NREL, FDA & EPA approved, Dr. D. Tompkins, et al., summary of testing on PCO technology.			
Volatile Inorganic Compounds	<b>Ammonia/ Nox/ H<sub>2</sub>S/ Sox/ O<sub>3</sub></b>	<b>Average of 89% reduction</b>	24 hours	VIC in enclosure
	Lab Name: <b>In vitro</b> - NREL, FDA & EPA approved, Dr. D. Tompkins, et al., summary of testing on PCO technology.			
Odors	<b>Alkanes, Acetone, Alcohols, Ketones</b>	<b>Average of 87% reduction</b>	12 hours	Gas in enclosure
	Lab Name: <b>In vitro</b> - North Carolina State University, EPA & FDA approved, Dr. J. Peral, et al., testing on PCO technology.			
	<b>In vivo testing:</b> C&W Engineering, Ocala, FL - Showed pet odors reduced by 72%. Used 10 person test panel with two 500 ft <sup>3</sup> test chambers.			
Feline Calicivirus	<b>Upper respiratory infections</b>	<b>99.6% reduction</b>	24 hours	Stainless, carpet & cloth
	Lab Name: <b>In vitro</b> - Radil, LLC; FDA & EPA approved - Dr. Leila Riley, DVM.			
	<b>In vivo shelter test:</b> Aurora Animal Hospital, Dr. Nicole Bartley, DVM; State of Colorado Expert Witness for Veterinary Medicine; 3 month, double blind study.			
Basidiospores	<b>Allergens, Fungus, Ringworm</b>	<b>99.4% reduction</b>	24 hours	On stainless coupons
	Lab Name: <b>In vitro</b> - Kansas State University, FDA & EPA approved, Drs. Ortega and Marsden, et al.			
	<b>In vivo shelter test:</b> Aurora Animal Hospital, Dr. Nicole Bartley, DVM; State of Colorado Expert Witness for Veterinary Medicine; 3 month, double blind study.			
Allergens	<b>Pet dander, dust mite antigens</b>	<b>Average of 91% reduction</b>	70 minutes	In solution
	Lab Name: <b>In vitro</b> - University of Florida, EPA & FDA approved, Dr. D. Goswami; Mie University, Japan, N. Nishikawa, et al.; testing on PCO technology.			
MRSA	<b>Antibiotic resistant bacteria</b>	<b>99.9% reduction</b>	24 hours	On stainless coupons
	Lab Name: <b>In vitro</b> - Kansas State University, FDA & EPA approved, Drs. Ortega and Marsden, et al.			

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Inactivation of pathogens used advanced photodynamic oxidation techniques employed in UVAIRx products, which use patented techniques. Much testing used products labeled either PHI® or RCI. All tests were done using standard and accepted test methods employed by the fully accredited test laboratories. Doctors (PhD) Marsden, Ortega, Goswami, Riley, Peral and Tompkins are all internationally recognized for their work with photocatalysis. Dr. Marsden is an internationally acclaimed expert in food safety and Dr. Riley, DVM, as an expert in veterinary medicine.

\* ALL UVAIRx UNITS ARE ETL, UL, FCC & CE APPROVED \* UNITS ARE 12 VDC & ENERGY STAR COMPLIANT \*