

Table 1. Inactivation of human and animal pathogens by the PetAirapy PA-260 UVGI surface and air disinfection system. Test was conducted as per AOAC Official Method 961.02; Germicidal Spray Products as Disinfectants (2005) and ASTM E1053-97 (Standard Test Method for Efficacy of Virucidal Agents Intended for Inanimate Surfaces).

Microorganism	Number of inoculated slides exposed to UVGI	Average infectious units (iu)/ml inoculated per slide [#]	Average iu/ml recovered from UVGI Treated slides*	Percent Reduction
Enterovirus (Poliovirus)	3	5.6 x 10 ⁴	<1.0	>99.998%
Rotavirus SA11	3	1.6 x 10 ⁴	<1.0	>99.994%
Feline Calicivirus F-9	3	2.3 x 10 ⁴	<1.0	>99.996%
Canine Influenza H3N8	3	1.6 x 10 ⁴	<1.0	>99.994%
Canine Parvovirus	3	9.2 x 10 ³	<1.0	>99.98%
Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)	3	2.9 x 10 ⁵	<5.0	>99.998%
<i>Bordetella bronchiseptica</i>	3	3.1 x 10 ⁴	1.8 x 10 ¹	99.94%

[#] This number represents the average number of recovered microorganisms from glass slides inoculated with pathogens, dried, and not exposed to disinfection treatment (positive control).

* Glass slides were inoculated with the indicated microorganisms and allowed to dry. Slides were exposed to the UVGI radiation at 22.0°C for 60 seconds. Slides were eluted as described in the methodology section. Aliquots of the eluant were inoculated onto respective media or cell culture lines for the detection and enumeration of pathogens. All analysis was conducted in duplicate.