



inc.

**Biological Consulting Services**  
*of North Florida, Inc.*

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August 27, 2010

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[www.PetAirapy.com](http://www.PetAirapy.com)

Re: Evaluation of the PetAirapy Portable Air Sanitization System (PA-777).

We examined and physically tested the provided ultraviolet germicidal portable air filtration system (Model PA-777) as per your request. The unit air filtration design and construction is suited for the effective removal and inactivation of both human and animal air-borne pathogens. The large surface area air filter system is placed tightly within the unit. It ensures the capture of small and large air-borne contaminants. The unit's UVC lamps are of high quality and are positioned following the unit's filter system to disinfect any passing microbiological species. The UV lamp's radiation output at 254 nm was measured to be 2200  $\mu\text{W}/\text{cm}^2$ . This relatively high output ensures the heavy irradiation of any microorganisms passing through the filter and thus ensures efficient inactivation. Based on the observations and physical measurements, I can conclude that the evaluated unit shall be very efficient in removing the microparticulate air contamination and significantly improve the microbiological air quality of interior environments when used as directed.

Should you have any further concerns please do not hesitate to contact me.

Best Regards,

George Lukasik, Ph.D.  
Director

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