

***Study: Building owners have a new weapon to combat bird flu***

April 10, 2007

VIGILAIR Systems, Inc. announced the results of a study in which Ultraviolet Germicidal Irradiation (UVGI) was used to deactivate the Avian H5N1 virus, commonly referred to as the Bird Flu virus. This study was jointly funded by VIGILAIR Systems and a number of Wall Street based financial and insurance institutions that are concerned about the disruptive effects of a pandemic on business continuity.

Independent laboratory test results show that UVGI effectively deactivated the H5N1 virus. The study tested UVGI's ability to deactivate the Vietnam strain of H5N1. This is the first time such testing has been performed on live H5N1 viruses, not surrogate microorganisms.

UVGI is a potent germicide. When microorganisms are exposed to specific wavelengths and quantity of UV, the organism's genetic material is corrupted. These organisms are then unable to reproduce and are rendered harmless.

VIGILAIR® uses its proprietary software to design a system that combines UVGI and high efficiency filtration to protect a building's environment from microbial contamination. VIGILAIR® systems are installed inside a building's ventilation system effectively disinfecting the air that is circulated throughout the structure. VIGILAIR® has achieved similar positive results when tested against SARS and anthrax.

VIGILAIR® is a dual-use technology that provides numerous ancillary benefits while providing protection against airborne pathogens. These benefits include:

- Reduction of hospital acquired infections
- Improvement of general indoor air quality
- Increased ventilation system efficiency; reduced energy consumption
- Prompt return on investment

“Pandemic preparedness is a key concern for many of our clients,” said VIGILAIR Systems’ President Peter Bjorkman. “This testing demonstrates that our systems can be effective against the spread of H5N1. “

VIGILAIR Systems Inc. primarily serves commercial real estate, healthcare, government, industrial and biodefense clients. VIGILAIR® installations can be found in the U.S., Canada, Mexico and Asia. In 2006, the US Department of Homeland Security designated VIGILAIR® as a Qualified Anti-terrorism Technology (QATT). More information is available at [www.VIGILAIRSystems.com](http://www.VIGILAIRSystems.com).

END

CONTACT:

Joel Dombrowski  
Marketing Director  
VIGILAIR Systems, Inc.  
Office: (716) 692-8843  
Cell: (716) 597-8518  
E-mail: [joel.dombrowski@VIGILAIRsystems.com](mailto:joel.dombrowski@VIGILAIRsystems.com)

How does VIGILAIR® Protect a Building and its Occupants from Airborne Pathogens?

1-Microorganisms are aerosolized inside the building. Sneezing and coughing are two ways in which pathogens leave their host and enter the environment.

2-The building's heating ventilation and air conditioning (HVAC) system transports contaminated air via ventilation ducts to an air handler.

3-Inside the air handler, air is filtered and treated (heated, cooled, etc.). Microorganisms can colonize the surfaces inside the air handler, turning the HVAC into a place for pathogens to grow. Microorganisms may then be distributed back into occupied spaces causing exposure to people.

By installing VIGILAIR® technology, the pathogens are deactivated by UV light which is a potent germicide. Surfaces, filters and cooling coils inside the air handler are disinfected by the UV light arrays installed at strategic points within the unit. High efficiency filters that trap and remove particulate from the air stream another integral component in the VIGILAIR® system.

4-Following treatment by VIGILAIR® technology, return air is circulated back into occupied spaces.

