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RE: CORONAVIRUS

We have had ongoing inquiries into the applicability of Aerobiotix systems to fight the Coronavirus/COVID-19 epidemic. The threat of COVID-19 is significant and it can be transferred via the airborne route through coughing, sneezing and secretions. The following are peer-reviewed guidelines about the applicability of Aerobiotix systems to mitigating COVID-19.

Aerobiotix units are wheeled, enclosed hospital-based free-standing air decontamination devices which provide HEPA filtration and ultraviolet germicidal irradiation to the airstream. The devices have undergone independent testing demonstrating 100% inactivation efficiency in viral single-pass testing, using MS2 virus at 450 cubic feet of air per minute. This testing was performed by the Research Triangle Institute, and reviewed by the FDA in 2018. Coronavirus is both larger and more radiosensitive than MS2, making it potentially more vulnerable to ultraviolet and mechanical filtration than the MS2 test organism.

We recommend following the published CDC “Guidelines for Environmental Infection Control in Health Care Facilities,” updated July 2019. For patients diagnosed with or suspected of COVID-19 infection, the gold standard is a negative pressure isolation room. However, in a pandemic situation, negative pressure rooms may not be available or practical. In such cases, Aerobiotix units can be used to:

- Provide increased effectiveness in airflow.
- Augment ventilation systems that cannot provide adequate airflow.
- Recirculate room air achieve the equivalent of ≥ 12 air exchanges per hour.
- Create anterooms or transition areas to infection isolation rooms.

Aerobiotix units are used by major hospital centers on a global basis and have demonstrated excellent performance in eliminating airborne viruses. They can be used effectively in facilities within established guidelines for mitigation of COVID-19. Any centers interested in deploying Aerobiotix technologies should contact us through our website at <https://aerobiotix.com> or call 888-978-7087.

Sincerely,

David Kirschman, M.D.
Aerobiotix, Inc.

