



April 29th, 2009

RGF has been bombarded with calls and emails asking about the effectiveness of our Guardian Air PHI and REME technology on the emerging Swine Flu pandemic. We will attempt to address some of the frequently asked questions in this statement which represents the best knowledge available at this time. Since this is a rapidly changing situation, information is subject to change and you should consult the CDC or WHO websites for updated information.

We currently do not have any testing specifically on the Swine Flu. The CDC has just identified the first strain (Swine Influenza A/H1N1)¹ so there's really no way we can even have anything specific to test yet. We are in contact with Kansas State University and examining our testing options. As there are a limited number of facilities even capable of testing for this virus, their focus is on prioritizing testing as it relates directly to the recent outbreaks.

Swine Flu has been classified as an Influenza A subtype virus¹ of which both the Seasonal Human Flu and the Avian Flu² are classified. Both the Avian and Swine Influenza are from the Orthomyxoviridae family. The best guess as to how our units would affect this new virus is to look at the Avian Flu³ testing performed at Kansas State showing a 99+% inactivation rate⁴. The current recommended treatment for Swine Flu is the same antiviral drugs (oseltamivir (trade name TamiFlu) and zanamivir)¹ used to treat outbreaks of Seasonal Human Flu and Avian Flu². So currently, all signs point to it being very similar in many ways, making these existing test results appear even more relevant.

With the very good reductions we have obtained both on Norvirus⁴ (also a lipid enveloped virus) and MRSA (Methicillin-resistant *Staphylococcus aureus*) we are encouraged that we should also see similar reductions on this new virus. While reviewing this bulletin Dr. Marsden (KSU) commented "This virus apparently is similar to the Avian Influenza virus that we tested. There is every reason to believe that RGF technologies would be effective. Of course you are right to not make a health claim". In addition he wanted to make sure that we also stated that there are ways to reduce the risk of getting this flu virus. Frequent and thorough hand washing is important, and if the virus has been confirmed in a school or work setting, it is best to stay at home until the threat of exposure is over.

RGF does not make medical claims so please be careful with your wording. Since this is a rapidly changing situation, RGF will send out updates as more information becomes available. Please let us know if you have any questions.

Thanks,

Mike Lynch
RGF Environmental Group
800-842-7771 x35

Cc: Dr. James Marsden (Reagent Professor, Kansas State University), Ron Fink (President, RGF Environmental Group, Inc)

Sources

1. <http://www.cdc.gov/swineflu/>
2. <http://www.cdc.gov/flu/avian/gen-info/facts.htm>
3. Tested using H5N8 as surrogate for H5N1
4. RGF Published 3rd Party Test Results