



## **PROTECTUS VIRIDIS vs AVIAN FLU VIRUS**

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### **Summary of Virucidal Activity:**

According to ECHA’s Guidance on the Biocidal Products Regulation, Assessment and Evaluation of Efficacy (in accordance with EN 14885 guidance document), the virucidal activity of a disinfectant must be assessed and pass the EN 14476.

The European Standard also specifies that a disinfectant for use in food and industrial areas should also pass the EN 13610 where the virucidal activity of the product is tested against a bacteriophage.

According to EN 14476: 2013 + A2: 2019, the test using Vaccinia virus will cover all enveloped viruses.

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### **Virucidal Activity of Protectus Viridis**

Protectus Viridis has been tested against a myriad of pathogenic viruses according to EN 14476 and EN 13610, including enveloped viruses such as Vaccinia virus, H1N1, Herpes virus; non-enveloped viruses such as Norovirus.

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### **Avian Flu**

Avian influenza or Bird flu is an infection in birds caused by several strains of Influenza A virus and is found in bird populations worldwide and some of these strains have spread from wild birds to domestic poultry.

Influenza A viruses are Enveloped viruses with single-stranded RNA. They are categorised in sub-types based on the type of two proteins on the surface of the viral envelope. Currently there are 18 different known H antigens (H1 to H18) and 11 known N antigens (N1 to N11).

<b>Classification / Characters</b>	<b>Influenza A Virus</b>
Realm	Riboviria
Kingdom	Orthornavirae
RNA genome	Single-stranded
Capsid	Enveloped
Capsid symmetry	Helical

### **Conclusion:**

Protectus Viridis has been tested and passed according to EN 14476: 2013 + A2: 2019 against *Vaccinia virus*. This means that there is no requirement to test a specific Influenza strain such as H5N1 etc or other enveloped viruses in order to claim efficacy against Influenza A viruses or enveloped viruses in general.