



**Zoono Holdings Ltd**  
Unit 15  
Bunting Road  
Bury St Edmunds  
Suffolk  
IP32 7BX

Tel: 0800 583 7 583  
E-Mail:

Reference:1718

To whom it may concern,

With regards to the latest strain of COVID-19:

Zoono products have passed the EN 14476 test, meaning they are effective against enveloped viruses. This test methodology uses the modified Vaccinia virus as a surrogate to test for efficacy against all enveloped viruses. An example of an enveloped virus is the coronavirus family, inclusive of all strains.

The European Committee for Standardisation (CEN) are responsible for defining a set of surrogate test organisms that are considered representative of a larger group for example, bactericidal, fungicidal, virucidal etc. A proven efficacy against the specified surrogate organism allows efficacy claims for the entire group of organisms. Vaccinia virus has been determined as the relevant surrogate organism to be representative of all enveloped viruses and therefore, efficacy against Vaccinia virus is representative of efficacy against all enveloped viruses, including coronaviruses (European Committee for Standardisation, 2019; Steinhauer et al., 2020). A 2020 study has concluded that disinfectants that possess virucidal activity against Vaccinia virus are an effective choice to target SARS-CoV-2 (Steinhauer et al., 2020).

Separately, Zoono products have been tested against EN 14476 methodology using Feline coronavirus and achieved a >99.99% reduction. In some countries, such as Australia, Feline coronavirus is the accepted surrogate for testing against COVID-19. These results are available on the Zoono website at [www.zoono.co.uk](http://www.zoono.co.uk)

References:

European Committee for Standardisation (2019) European Standard EN 14476: 246 Chemical disinfectants and antiseptics – Quantitative suspension test for the 247 evaluation of virucidal activity in the medical area – Test method and 248 requirements (Phase 2 / Step 1). Brussels 2019  
Steinhauer, K., Meister, T.L., Todt, D., Krawczyk, A., Passvogel, L., Becker, B., Paulmann, D., Bischoff, B., Eggers, M., Pfaender, S. and Brill, F. (2020) Virucidal efficacy of different formulations for hand and surface disinfection targeting SARS CoV-2. *bioRxiv*.

Regards

Jamal McCleary  
General Manager UK & Europe