

Statement on the efficacy of Diesin maxx against Coronavirus

Background

Coronaviruses are enveloped viruses causing human infections. Two different guidelines are available to support efficacy of disinfectants against enveloped viruses: EN 14476, using Vaccinia virus as a surrogate virus and a guideline of the German Society for the Prevention of Virus Disease (DVV) using Vaccinia virus and Bovine Viral Diarrhea Virus (BVDV) as surrogate viruses.

Rationale

According to guidance of the European Centers for Disease Control¹⁾ a solution of 0.05% benzalkonium chloride can be used as an effective disinfectant against Coronavirus. Diesin maxx contains 2.45% (w/w) benzalkonium chloride. In addition to that it contains 8% (w/w) lactic acid as an active ingredient. The latter does not interfere with benzalkonium chloride, but has an additive or even synergistic effect.

Conclusion

Based on the above information and guideline it is concluded that Diesin maxx is effective against Coronavirus as a surface disinfectant at a concentration of 2% at the contact time needed to achieve a bactericidal effect.

Monheim, March 23rd 2020



Peter Birchenough
Staff Scientist
RD&E F&B EMEA



Dr. Bernhard Meyer
Senior Staff Scientist
RD&E Healthcare EMEA

- 1) ECDC Technical Report, Interim guidance for environmental cleaning in non-healthcare facilities exposed to 2019-nCoV, 7 February 2020

This information is provided in good faith and is scientifically accurate as of the date of this letter. No warranty is expressed or implied. Liability is expressly disclaimed. Please also note that it is the responsibility of the manufacturer of a finished article or the user to ensure that all applicable restrictions are met.