



Katsetustunnistus

Testing certificate

Certificate No: 005

Date: 05.02.2021

Customer: OÜ Respiray

Sample:

Respiray UV-C module

Content of the Work:

The ability of the Respiray UV-C module to reduce viral infectivity compared to Respiray UV-C module without UV light

Materials and instruments used:

Alphaviruses 1×10^7 PFU

Device: Respiray UV-C module

Control device: Respiray UV-C module without UV light

Experiments and main conclusion:

Alphavirus, like SARS-CoV2 virus, is a membrane single-stranded RNA virus with a size of 70-100 nanometers was used in this testing method. This test determines the ability of a test device to reduce the infectivity of infectious material, as the Alphavirus particles, that had passed through the device compared to a control device. Used air velocity was 30 l/min in both devices.

The assay was performed in triplicate, and the average loss of infectivity was 0.993986 loq.

It means that, the number of virus particles capable of infection was reduced 99.4% when 10,000,000 virus particles were passed through the Respiray UV-C module compared with the control device.

Signature:

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Dokument koosneb katsetustunnistusest ja tulemuste kokkuvõttest 1 lehel ning on välja antud ühes (1) allkirjastatud eksemplaris.

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