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Press Information

Confirming Effectiveness of Nikkiso's Deep UV-LED against Novel Coronavirus (SARS-CoV-2)

Nikkiso Co., Ltd. (Headquarters: Shibuya-ku, Tokyo; President: Toshihiko Kai) hereby reports that the effectiveness of its deep UV-LED installed in "Aeropure," an air purifier, has been confirmed as a result of testing for inactivation of the novel coronavirus. This test was performed as part of "Medicine Environment Innovation Course: Collaboration Labo. M&N," a collaborative research course offered by the Faculty of Medicine, University of Miyazaki.

Evaluation of the effectiveness against the novel coronavirus

[Virus type]

- Novel coronavirus (SARS-CoV-2) *1
- *1 SARS-CoV-2/Hu/DP/Kng/19-027, LC528233

[Product tested]

- Deep UV-LED installed in Aeropure

[Outline of the testing method]

virus fluid is dropped onto a plastic petri dish, and irradiated it with deep UV-LED light. After the irradiation, the infectious titer of the collected virus is measured.

[Testing result]

The rate of reduction of infectious titer in the collected novel coronavirus was 99.9% or more after 30 and 60 seconds (less than 20 PFU/mL the detection limit) *2.

*2 The log value reduced from the initial value was greater than $\log_{10}3.2$.

For inquires, please contact:

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