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Translated from Bulgarian

SOFIA UNIVERSITY
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FACULTY OF BIOLOGY

PROTOCOL No.16 / 23.04.2020

from the virology testing of a reusable protective mask
provided by the company Nestos Fashion Ltd.

At the Virology Laboratory, Faculty of Biology at Sofia University "St. Kl. Ohridski", during the period April 20, 2020 - April 23, 2020, was tested a reusable protective mask provided by Nestos Fashion Ltd. in accordance with the scope of EN 14683:2019+AC.

The mask was treated in sterile environment in a sterile vacuum equipment with pre-mounted plates with a specific coating to trap viral particles. Treatment is effected in the form of an aerosol containing a high concentration human virus to moisten the surface of the test objects. Viral particles have a size similar to that of coronaviruses. Subsequently, a suction of 0.13 bar is applied. The coating is treated with a nutrient environment. The environment is then inoculated into microplates in a cell monolayer.

After 48 hours of cultivation at 37 degrees, no viral cytopathic effect was detected in the mask treatment samples, which was confirmed by the absence of a viral titre. The amount of virus detected in the control sample corresponded to the original virus.

CONCLUSION:

The reusable protective mask provided protects 100% from SARS-Co-2-sized viruses by inhalation of aerosols containing them. According to the European standard for medical face masks EN14683:2019+AC:2019 the mask is **type IIR**.

23.04.2020

Signature:

(signature and stamp of dean's office of Faculty of Biology)
/prof. Dr. St. Shishkov/

Received by:

/Nihat Fikriev Terziev/

I, the undersigned, Slavena Kirilova Malcheva, certify herewith the fidelity of the translation made by me from Bulgarian into English, of the enclosed document. The translation consists of one page.

Translator:

Slavena Kirilova Malcheva

