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Statement on the bactericidal, yeasticidal and virucidal efficacy of FLO-D mini mark 2 based on EN 17272

The present opinion was prepared at the request of the manufacturer JIMCO A/S. The reason for the enquiry was to present the scope of the demonstrated bactericidal, yeasticidal and virucidal efficacy of FLO-D mini mark 2 in efficacy tests according to „Chemical disinfectants and antiseptics - Methods of airborne room disinfection by automated process - Determination of bactericidal, mycobactericidal, sporicidal, fungicidal, yeasticidal, virucidal and phagocidal activities; German version EN 17272:2020 “.

The efficacy tests performed according to EN 17272 do not fully comply with the requirements of EN 17272 regarding the scope of the evaluated test organisms and test viruses. At the request of the manufacturer JIMCO A/S, the actual reduction values achieved outside the standard requirements against selected test organisms or test viruses are presented below. This evaluation is based on the test reports L20/1056.1 dated 08/09/2020 and L20/0361aMW.3 dated 19/05/2020, issued by Dr. Brill + Partner GmbH.

In Europe MVA is the accepted model virus for all enveloped viruses. According to this reasoning, after successful tests with MVA, an efficacy against all enveloped viruses including members of the virus family Coronaviridae (such as MERS-CoV, SARS-CoV-1 and the COVID-19 causing SARS-CoV-2) can be assumed.

The following reduction factors were achieved:

Test organism	Room size	Organic load	Contact time	RF	Reduction in Percent
Vaccinia virus Ankara (MVA)	62,48 m ³	0,03 % BSA	180 min	4,03	99,991 %
<i>Staphylococcus aureus</i>	62,48 m ³	0,03 % BSA	180 min	3,57	99,973 %
<i>Enterococcus hirae</i>	62,48 m ³	0,03 % BSA	180 min	2,07	99,149 %
<i>Escherichia coli</i>	62,48 m ³	0,03 % BSA	180 min	2,92	99,880 %
<i>Pseudomonas aeruginosa</i>	62,48 m ³	0,03 % BSA	180 min	2,99	99,898 %
<i>Candida albicans</i>	62,48 m ³	0,03 % BSA	180 min	1,90	98,741 %

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