

JIMCO A/S
Mjølbyvej 7
DK - 5900 Rudkøbing

Bremen, 19/05/2020

Expert opinion

Activity of ozone generated by FLO-D MINI - Mark 2 against modified vaccinia virus Ankara (MVA) in a quantitative non-porous surface test for evaluation of bactericidal and/or fungicidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional based on NF T 72-281:2011 under clean conditions

This expert opinion is based on the test report L20/0361aMV.3 dating 19/05/2020.

The virus-inactivating properties of ozone generated by FLO-D MINI - Mark 2 of JIMCO A/S against modified vaccinia virus Ankara (MVA) were investigated by a quantitative non-porous surface test (room disinfection) based on NF T 72-281:2011 under clean conditions. In Europe, MVA represents the official model virus for all enveloped viruses, therefore the conclusion can be drawn that after passing examinations with MVA an activity against all enveloped viruses including members of the virus family *coronaviridae* (like MERS-CoV, SARS-CoV-1 and SARS-CoV-2) is achieved.

A disinfectant or a disinfectant solution at a particular concentration is considered as having virus-inactivating properties if within the recommended exposure period the titre is reduced by $\geq 4 \log_{10}$ (inactivation ≥ 99.99 %).

Ozone generated by FLO-D MINI - Mark 2 was examined for 180 minutes. In summary, a virucidal activity against modified vaccinia virus Ankara (MVA) was measured as follows:

10 ppm ozone for 180 minutes with a humidity of 44.5 % to 73.5 % clean conditions (0.3 g/l BSA)

Dr. Jochen Steinmann