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Expert opinion

Activity of **Xr Vap** against modified vaccinia virus Ankara (MVA) based on EN 16615 (on PVC plates)

(Transcription of the expert opinion for MOD.PC/PC-ID from 18/06/2020 of company Steam Italy s.r.l.; carried out at 14/07/2020)

This expert opinion is based on the test report L20/0535MV.1 dating 18/06/2020.

The virus-inactivating properties of the steam cleaner **Xr Vap** of XR-VAP SARL against modified vaccinia virus Ankara (MVA) were investigated in a 4-field test based on EN 16615 (on PVC plates).

In Europe, the modified vaccinia virus Ankara (MVA) represents the official surrogate test 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 *orthomyxoviridae* (incl. all human influenza viruses) and *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 %).

The steam cleaner **Xr Vap** was examined with two wiping processes with a speed of 20 cm/second (with 5 seconds per wiping process) and an additional incubation time of 10 minutes at room temperature under dirty conditions. After this wiping process the virus titre was decreased by ≥ 99.999 %. Therefore, a virucidal activity against modified vaccinia virus Ankara (MVA) in a test simulating practical conditions was measured.

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