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Vaccinia virus efficacy of Sterillium in a quantitative suspension test at 20°C according to the guideline of DVV/RKI dating 15.06.2005 and EN 14476:2005 (clean and dirty conditions)

EXPERT OPINION

This expert opinion is based on the test report B07ML421V 1st versionK of 01/08/2007.

The virus-inactivating properties of the hand disinfectant Sterillium of BODE Chemie GmbH & Co. KG against vaccinia virus strain Elstree were investigated by a quantitative suspension test according to the guideline of the Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten e.V. (German Association for the Control of Virus Diseases) and the Robert Koch-Institute (RKI) additionally with a soil load according to EN 14476:2005 ("clean and dirty conditions").

According to this suspension test, 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 $\geq 99.99\%$).

Sterillium was examined as undiluted at 20°C. Exposure times were 15, 30, 60 and 120 seconds. After an exposure time of 15 s virus reduction exceeded 4 \log_{10} -steps in all assays. Therefore, a virucidal activity was measured as follows:

undiluted 15 s



Dr. J. Steinmann