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BVDV efficacy of Dexan hygienische Händedesinfektion in a quantitative suspension test at 20°C according to the guideline of DVV/RKI dating 01.08.2008

EXPERT OPINION

This expert opinion is based on the test report S09ML771B dating 25.05.2009.

The virus-inactivating properties of the hand disinfectant Dexan hygienische Händedesinfektion of Adexano against bovine viral diarrhea virus (BVDV) strain NADL 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 of the Robert Koch-Institute (RKI).
BVDV was chosen as a surrogate of hepatitis C virus (HCV) since there is no animal model or cell culture system for growing this virus. Testing this surrogate virus the possibility is created to give recommendations for the inactivation of HCV by the disinfectant.
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 ≥ 4 $\log_{10}$ (inactivation ≥ 99.99 %).
Dexan hygienische Händedesinfektion was examined undiluted at 20°C. 15 and 30 seconds were chosen as exposure times. After an exposure time of 15 s virus reduction exceeded 4 $\log_{10}$-steps in the assay following Lycke. Therefore, a sufficient activity against BVDV is demonstrated as follows:

undiluted 15 s

Dr. J. Steinmann