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2005-12-12  
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## **Vaccinia virus efficacy of DENTALRAPID AF in a quantitative suspension test at 20°C**

### **EXPERT OPINION**

The virus-inactivating properties of the surface disinfectant DENTALRAPID AF of Müller Dental GmbH against vaccinia virus strain Elstree were investigated by a quantitative suspension test according to the guideline of the Bundesgesundheitsamt (BGA, Federal Office of Health, now Robert Koch-Institute) and the Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten e.V. (German Association for the Control of Virus Diseases).

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  $\geq 99.99\%$ ).

DENTALRAPID AF was examined as undiluted at 20°C. Exposure times were 0.5, 1.0, 2.0 and 3.0 minutes. After an exposure time of 30 s virus reduction exceeded  $4 \log_{10}$ -steps in all assays. Due to the lack of guidelines simulating practical conditions, results of the quantitative suspension test lead to the recommendation to use the surface disinfectant DENTALRAPID AF for inactivation of vaccinia virus as follows:

**undiluted 30 s**

  
**Dr. J. Steinmann**