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### **Effectiveness of Bacoban WB against adenovirus according to EN 14476:2005**

#### **EXPERT OPINION**

Effectiveness of the surface disinfectant Bacoban WB of sarastro GmbH was investigated against adenovirus type 5 according to EN 14476:2005. This European standard describes a quantitative suspension test (phase 2, step 1), mixing one part by volume of test virus suspension, one part by volume of interfering substance and eight parts by volume of disinfectant. At specified contact times aliquots are taken and residual infectivity is determined.

According to EN 14476:2005, a disinfectant is considered as having virucidal effectiveness if within the recommended exposure time the titre is reduced by  $\geq$  four  $\log_{10}$ -steps (inactivation  $\geq 99.99$  %).

The surface disinfectant Bacoban WB was examined as 2.0 % and 4.0 % solution. The exposure times were 5, 15, 30, 60, 120 und 240 minutes.

After 240 minutes exposure time reduction factors of  $\geq 4.00$  (clean conditions) and  $\geq 4.25$  (dirty conditions) were measured (2.0 %).

Therefore, summarizing the results of the experiments it can be declared that the surface disinfectant Bacoban WB has virucidal activity against adenovirus type 5 with the following conditions:

  
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**2.0 %**

**240 minutes**