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Effectiveness of Bacoban WB against rotavirus following EN 14476:2005

EXPERT OPINION

Effectiveness of the surface disinfectant Bacoban WB of sarastro GmbH was investigated against rotavirus Wa strain following 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 0.1 % (chosen for demonstration of non-active range), 1.0 %, and 2.0 % solution. The exposure times were 5, 15, 30, and 60 minutes.

After five minutes exposure time a reduction factor of \geq 4.38 was measured testing the 0.1 % solution.

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


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0.1 %

5 minutes