VIROXY LABS

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Efficacy of DENTIRO® Sensitive against *Staphylococcus aureus* ATCC 6538, *Enterococcus hirae* ATCC 10541, *Pseudomonas aeruginosa* ATCC 15442, and *Candida albicans* ATCC 10231 in a quantitative test method at 20 °C according to EN 16615:2015 (E) under clean condition

EXPERT OPINION

This expert opinion is based on the test report VX-TR-17-0231 dated 11 December 2017.

The bactericidal activity of the disinfectant DENTIRO® Sensitive of Oro Clean Chemie AG against *Staphylococcus aureus* ATCC 6538, *Enterococcus hirae* ATCC 10541, and *Pseudomonas aeruginosa* ATCC and the yeasticidal activity against *Candida albicans* ATCC 10231 were investigated by a quantitative test method according to EN 16615:2015 (E) under clean condition (0.30 g/L bovine albumin solution).

According to this carrier test, a disinfectant or a disinfectant solution at a particular concentration is considered as having bactericidal activity if the number of viable bacteria is reduced by ≥5 $\log_{10}$ (inactivation ≥99.999%), and is considered as having yeasticidal activity if the number of viable yeasts is reduced by ≥4 $\log_{10}$ (inactivation ≥99.99%) within the recommended exposure period.

DENTIRO® Sensitive was examined at 20 °C at the concentration of 100.00 % for the exposure time of 1 minute. After the exposure time, the bacteria and yeast reduction exceeded 5 $\log_{10}$- and 4 $\log_{10}$-steps in all assays, respectively. Therefore, a bactericidal activity against *Staphylococcus aureus* ATCC 6538, *Enterococcus hirae* ATCC 10541, and *Pseudomonas aeruginosa* ATCC 15442 and the yeasticidal activity against *Candida albicans* ATCC 10321 were measured as follows:

Clean condition	100.00 %	1 minute

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