VIROXY LABS

Oro Clean Chemie AG
Allmendstrasse 21
8320 Fehraltorf

Efficacy of DENTIRO® Sensitive against *Pseudomonas aeruginosa* ATCC 15442, *Staphylococcus aureus* ATCC 6538, and *Enterococcus hirae* ATCC 10541 in a quantitative suspension test at 20 °C according to EN 13727:2012+A2:2015 (E) under dirty condition

EXPERT OPINION

This expert opinion is based on the test report VX-TR-17-0095 dated 2 November 2017.

The bactericidal activity of the disinfectant DENTIRO® Sensitive of Oro Clean Chemie AG against *Pseudomonas aeruginosa* ATCC 15442, *Staphylococcus aureus* ATCC 6538, and *Enterococcus hirae* ATCC 10541 was investigated by a quantitative suspension test according to EN 13727:2012+A2:2015 (E) under dirty condition (3.00 g/L bovine albumin solution and 3.00 ml/L sheep erythrocytes).

According to this suspension 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%) within the recommended exposure period.

DENTIRO® Sensitive was examined at 20 °C at the concentration of 100.00 %* for the exposure times of 15, 30, and 60 seconds. After the exposure times, the bacterial reduction exceeded 5 $\log_{10}$-steps in all assays. Therefore, a bactericidal activity against *Pseudomonas aeruginosa* ATCC 15442, *Staphylococcus aureus* ATCC 6538, and *Enterococcus hirae* ATCC 10541 was measured as follows:

Dirty condition	100.00 %*	15 seconds
Dirty condition	100.00 %*	30 seconds
Dirty condition	100.00 %*	60 seconds

Kuala Lumpur, 2 November 2017

Dr Cheng Shoou Lee
Team Leader of Bacteriology Testing

Zhao Min Khoo
Microbiologist

* The product can only be tested at 80.00 % concentration or less, as some dilution always occurs when test organisms and interfering substance are added.