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Efficacy of DENTIRO® Wipes against *Acinetobacter baumannii* (MDR) ATCC BAA-1605, *Enterobacter aerogenes* ATCC 13048, *Enterobacter cloacae* ATCC 13047, *Enterobacter gergoviae* ATCC 33028, *Enterococcus faecium* ATCC 6057, *Enterococcus faecium* (VR) ATCC 700221, *Escherichia coli* K12 NCTC 10538, *Klebsiella pneumoniae* (ESBL) ATCC 700603, *Staphylococcus aureus* (MR) ATCC 33591, and *Staphylococcus epidermidis* (MR) ATCC 51625 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-17-0133 dated 6 November 2017.

The bactericidal activity of the disinfectant DENTIRO® Wipes of Oro Clean Chemie AG against *Acinetobacter baumannii* (MDR) ATCC BAA-1605, *Enterobacter aerogenes* ATCC 13048, *Enterobacter cloacae* ATCC 13047, *Enterobacter gergoviae* ATCC 33028, *Enterococcus faecium* ATCC 6057, *Enterococcus faecium* (VR) ATCC 700221, *Escherichia coli* K12 NCTC 10538, *Klebsiella pneumoniae* (ESBL) ATCC 700603, *Staphylococcus aureus* (MR) ATCC 33591, and *Staphylococcus epidermidis* (MR) ATCC 51625 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 $\geq 5 \log_{10}$ (inactivation $\geq 99.999\%$) within the recommended exposure period.

DENTIRO® Wipes was examined at 20 °C at the concentration of 100.00 %* for the exposure times of 15, 30, and 60 seconds (excluding 15 second for *Enterococcus faecium* ATCC 6057). After the exposure times, the bacterial reduction exceeded 5 \log_{10} -steps in all assays. Therefore, a bactericidal activity against *Acinetobacter baumannii* (MDR) ATCC BAA-1605, *Enterobacter aerogenes* ATCC 13048, *Enterobacter cloacae* ATCC 13047, *Enterobacter gergoviae* ATCC 33028, *Enterococcus faecium* ATCC 6057, *Enterococcus faecium* (VR) ATCC 700221, *Escherichia coli* K12 NCTC 10538, *Klebsiella pneumoniae* (ESBL) ATCC 700603, *Staphylococcus aureus* (MR) ATCC 33591, and *Staphylococcus epidermidis* (MR) ATCC 51625 was measured as follows:

Dirty condition	100.00 %*	15 seconds	(excluding <i>E. faecium</i>)
Dirty condition	100.00 %*	30 seconds	
Dirty condition	100.00 %*	60 seconds	

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* 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.