

RESULTS OF DISINFECTION EFFICACY TESTS ON SPORES: BACILLUS AND CLOSTRIDIUM DIFFICILE

Evaluation of the efficacy of SANIVAP steam disinfection equipment SP540H. Disinfection process: steam + solution of hydrogen peroxide at 7.5% concentration. Concentration of hydrogen peroxide after mix with steam: maximum 3.5%.

Number of viable microorganisms on test surfaces before (Nw) and after (N) treatment by the SANIVAP steam disinfection process. Mechanical effect (Nm).

Mean of viable microorganisms transferred from the contaminated areas (C4 to C6) to the non-contaminated areas (C1 to C3 and C7 to C15) (N')

R: logarithmic reduction.

		<i>Bacillus cereus</i> CIP 105.151	<i>Clostridium difficile</i> NCTC 13366
Nw (Nb.CFU/ test area)		1,5x10 ⁴	0,66x10 ⁴
Nm (Nb.CFU/test area)		2,18x10 ⁴	0,67x10 ⁴
N (Nb. CFU test area)	Nc ₄	<1	<1
	Nc ₅	<1	<1
	Nc ₆	<1	1
N'	N' C1 to C3 and C7 to C15	<10	<10
N'm	N'm C1 to C3 and C7 to C15	<10	<10
Logarithmic reduction R		4,3	>3,8