

Laboratory Study Report: 13.05.2019

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Products tested: Chicopee Microfibre Economy (virgin)

Study description: Measuring the efficiency of a wet PGI Microfibre product to remove dried microbial contamination from a stainless steel surface.

Study objective: To quantify what proportion of bacteria are removed from a stainless steel surface, by the product under test using a standard wiping action of that product, from the known number of bacterial cells initially inoculated on that surface.

Results:

PGI Microfibre Products included in this study	Bacterium	No. of cells initially inoculated on SS	No. of cells recovered/cm2 after 1 hour	% reduction of cells
Chicopee Microfibre Economy (virgin)	<i>S. aureus</i>	1.08x10 ⁶	3.00x10 ³	99.996%
	<i>E. coli</i>	6.25x10 ⁵	5.93x10 ³	99.998%

Conclusion:

The microfibre product Chicopee Microfibre Economy (virgin) examined in this study by its normal use demonstrated the ability to remove > log 4 numbers of *S. aureus* and *E. coli* from a stainless steel surface when pre-moistened.

The percentage reduction determines the amount of bacteria that were removed post-wipe. The results used to calculate the percentage reduction were taken from the no. of cells initially inoculated on to the stainless steel.



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