

Laboratory Study Report: August 2015

Client: Avintiv,
Tuset 23,
Sa Planta,
08006 Barcelona,
Spain.

Products tested: Microfibre Light 60gsm virgin microfibre
Microfibre Plus 100gsm coloured microfibre

Study objectives: To measure the efficiency of cleaning cloth products to remove microbial contamination from stainless steel and their ability to retain microbes during a secondary wiping action on sterile stainless steel.

Experiment 1: To quantify the number of bacteria removed from a stainless steel surface by the cloth products under test using a standard single wipe action.

Bacterium	Mean efficiency of removal	
	Microfibre Light	Microfibre Plus
<i>S. aureus</i>	99.996%	99.996%
<i>E.coli</i>	99.996%	99.996%

Experiment 2: To quantify the number of bacterial spores removed from a stainless steel surface by the cloth products under test using a standard single wipe action.

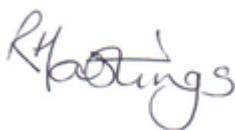
Bacterium	Mean efficiency of removal	
	Microfibre Light	Microfibre Plus
<i>C. difficile</i>	99.99%	99.99%

Experiment 3: To quantify the number of bacterial cells released from the cloth products under test onto a stainless steel surface using a standard single wipe action.

Bacterium	Mean % of bacteria transferred to sterile SS/cm ²	
	Microfibre Light	Microfibre Plus
<i>S. aureus</i>	0.004%	0.008%
<i>E.coli</i>	0.003%	0.008%



Dr A. Summerfield
Microbiologist
BioLabTests



Dr R. Hastings
Microbiologist, Technical Manager
BioLabTests