

## ANTI-BACTERIAL ANALYSIS AND TEST RESULTS SUMMARY

MODEL BRAND: **STERIWAND BLACK**

INDEPENDENT TESTER: Gmicro Testing, Detection Centre of Microbiology

TEST YEAR: 2020

DATA SOURCE: Report No 2020FM94155R01 (available on request)

DISTANCE: 2cm from UVC light source (Light Emitting Diodes)

EXPOSURE TIME: 3 seconds to 3 minutes

### RESULTS

Bacterial Strain	Test Sample	Average CFU of test sample (CFU/test strip)	Average CFU of positive controls (CFU/test strip)	Sterilisation Rate (%)	Sterilisation logarithm (KL)
<i>Escherichia coli</i> ATCC 8099	1	40	$1.8 \times 10^6$	99.99	4.66
	2	50	$1.7 \times 10^6$	99.99	4.53
	3	50	$1.8 \times 10^6$	99.99	4.56
	<b>Average Results</b>		<b><math>1.8 \times 10^6</math></b>	<b>99.99%</b>	<b>4.58</b>
<i>Staphylococcus aureus</i> ATCC 6538	1	80	$3.2 \times 10^6$	99.99	4.60
	2	80	$3.1 \times 10^6$	99.99	4.59
	3	80	$3.2 \times 10^6$	99.99	4.55
	<b>Average Results</b>		<b><math>3.2 \times 10^6</math></b>	<b>99.99%</b>	<b>4.58</b>

**CFU** - In microbiology, a colony-forming unit (CFU, cfu, Cfu) is a unit used to estimate the number of viable bacteria or fungal cells in a sample.