



Antibacterial Coatings

AVERT-AB

INDEPENDENT LABORATORY

Test
Summary

Test Summary: AVERT-AB



Issue 0 – 21.02.2024
B-Lab-For-095

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BioLabTests

Unit 3 Parade Court
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Coventry, CV6 4QL
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Summary of Analysis

Customer Name: NORIGIN SCIENTIFIC LIMITED

Customer Contact: Seamus Devlin

Customer Email/Phone: seamus@vexcolt.co.uk

Certificate Number: BL098/2024

Tick box if customer has provided untreated control samples for inclusion in testing

Date Received: 19.06.2023

Date Analysed: 25.07.2023-28.12.2023

Date Reported: 26.02.2024

Test Method: Determination of Antimicrobial Activity using Test Based on MOD ISO 22196: 2011

| Sample Description | Organism Type | Test Organism | Culture Reference | Test Method | Contact Time* | | Reduction against Initial | |
|---------------------------|---------------|---|-------------------|------------------------|------------------------|------------------------|---------------------------|---------|
| | | | | | 0 Hrs | 24 Hrs | Log ₁₀ | % |
| AVERT-AB ANTIMICROBIAL | Bacteria | Drug-resistant <i>Streptococcus pneumoniae</i> | ATCC® 700677™ | MOD ISO 22196: 2011 | 5.39 x 10 ⁴ | ≤100 | ≥2.73 | ≥99.81% |
| | | <i>Clostridioides difficile</i> | ATCC® BAA-1382™ | | 3.59 x 10 ⁴ | 2.00 x 10 ² | 2.25 | 99.44% |
| | | Vancomycin-resistant <i>Enterococcus faecium</i> (VRE) | ATCC® 700221™ | | 9.79 x 10 ⁴ | ≤100 | ≥2.99 | ≥99.90% |
| | | Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) | ATCC® 43300™ | | 7.79 x 10 ⁴ | ≤100 | ≥2.89 | ≥99.87% |
| | | <i>Escherichia coli</i> | ATCC® 8739™ | | 9.12 x 10 ⁴ | ≤100 | ≥2.96 | ≥99.89% |
| | | Multidrug-resistant <i>Pseudomonas aeruginosa</i> | ATCC® BAA-2108™ | | 9.19 x 10 ⁴ | ≤100 | ≥2.96 | ≥99.89% |

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| | | | | | 0 Hrs | 24 Hrs | Log ₁₀ | % |
| AVERT-AB ANTIMICROBIAL | Bacteria | Drug-resistant <i>Campylobacter jejuni</i> | ATCC® BAA-373™ | MOD ISO 22196: 2011 | 5.64 x 10 ⁴ | 6.67 x 10 ² | 1.93 | 98.82% |
| | | <i>Klebsiella pneumoniae</i> | NCTC® 9633/ATCC® 13883 | | 8.89 x 10 ⁴ | 8.33 x 10 ² | 2.03 | 99.06% |
| | | Carbapenem-resistant <i>Acinetobacter baumannii</i> (CRAB) | ATCC® BAA-1605™ | | 8.39 x 10 ⁴ | ≤100 | ≥2.92 | ≥99.88% |
| | | ESBL-producing Enterobacterales <i>K. quasipneumoniae</i> | NCTC® 13368/ATCC® 700603™ | | 9.25 x 10 ⁴ | 7.67 x 10 ² | 2.08 | 99.17% |
| | | Drug-resistant nontyphoidal <i>Salmonella enterica</i> | ATCC® BAA-190™ | | 9.17 x 10 ⁴ | ≤100 | ≥2.96 | ≥99.89% |
| | | Carbapenem-resistant Enterobacterales <i>K. pneumoniae</i> (CRE) | NCTC® 13440 | | 9.44 x 10 ⁴ | 5.33 x 10 ² | 2.25 | 99.44% |

*Numbers represent Colony Forming Units at representative contact times.

Data show the changes in size of the initial organism populations due to their contact with the treated surface of the samples. The samples detailed in this CoA were tested for 24 hours (±1) at 35°C-37°C (±2) under a relative humidity of >90% as specified in the ISO 22196 method. The results detailed in this CoA relate only to the items tested. This summary shall not be reproduced except in full, without written approval of BioLabTests. All testing is performed on site at the BioLabTests address above unless otherwise disclosed.

Richard Smith (BSc Hons)
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BioLabTests Ltd



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END OF REPORT