



Antibacterial Coatings

# DETER-AB

INDEPENDENT LABORATORY

Test  
Summary

## Test Summary: DETER-AB



Issue 0 – 21.02.2024  
B-Lab-For-095

Page 1 of 2

**BioLabTests**

Unit 3 Parade Court  
Central Boulevard, Prologis Park  
Coventry, CV6 4QL  
United Kingdom

Tel: +44 (0) 333 240 8308  
Fax: +44 (0) 2476 338081  
[info@biolabtests.com](mailto:info@biolabtests.com)  
[www.biolabtests.com](http://www.biolabtests.com)

## Summary of Analysis

Customer Name: NORIGIN SCIENTIFIC LIMITED  
Customer Contact: Seamus Devlin  
Customer Email/Phone: [seamus@vexcolt.co.uk](mailto:seamus@vexcolt.co.uk)  
Certificate Number: BL101/2024

Date Received: 19.06.2023  
Date Analysed: 25.07.2023-28.12.2023  
Date Reported: 26.02.2024

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

### 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 <sub>10</sub>	%
DETER-AB ANTIMICROBIAL	Bacteria	Drug-resistant <i>Streptococcus pneumoniae</i>	ATCC® 700677™	MOD ISO 22196: 2011	5.39 x 10 <sup>4</sup>	3.00 x 10 <sup>2</sup>	2.25	99.44%
		<i>Clostridioides difficile</i>	ATCC® BAA-1382™		3.59 x 10 <sup>4</sup>	2.67 x 10 <sup>2</sup>	2.13	99.26%
		Vancomycin-resistant <i>Enterococcus faecium</i> (VRE)	ATCC® 700221™		9.79 x 10 <sup>4</sup>	≤100	≥2.99	≥99.90%
		Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	ATCC® 43300™		7.79 x 10 <sup>4</sup>	5.00 x 10 <sup>2</sup>	2.19	99.36%
		<i>Escherichia coli</i>	ATCC® 8739™		9.12 x 10 <sup>4</sup>	≤100	≥2.96	≥99.89%
		Multidrug-resistant <i>Pseudomonas aeruginosa</i>	ATCC® BAA-2108™		9.19 x 10 <sup>4</sup>	≤100	≥2.96	≥99.89%

Test Summary: DETER-AB



Page 2 of 2

**BioLabTests**

Unit 3 Parade Court  
Central Boulevard, Prologis Park  
Coventry, CV6 4QL  
United Kingdom

Sample Description	Organism Type	Test Organism	Culture Reference	Test Method	Contact Time*		Reduction against Initial	
					0 Hrs	24 Hrs	Log <sub>10</sub>	%
DETER-AB ANTIMICROBIAL	Bacteria	Drug-resistant <i>Campylobacter jejuni</i>	ATCC® BAA-373™	MOD ISO 22196: 2011	5.64 x 10 <sup>4</sup>	5.67 x 10 <sup>2</sup>	2.00	99.00%
		<i>Klebsiella pneumoniae</i>	NCTC® 9633/ATCC® 13883		8.89 x 10 <sup>4</sup>	5.33 x 10 <sup>2</sup>	2.22	99.40%
		Carbapenem-resistant <i>Acinetobacter baumannii</i> (CRAB)	ATCC® BAA-1605™		8.39 x 10 <sup>4</sup>	≤100	≥2.92	≥99.88%
		ESBL-producing Enterobacterales <i>K. quasipneumoniae</i>	NCTC® 13368/ATCC® 700603™		9.25 x 10 <sup>4</sup>	6.67 x 10 <sup>2</sup>	2.14	99.28%
		Drug-resistant nontyphoidal <i>Salmonella enterica</i>	ATCC® BAA-190™		9.17 x 10 <sup>4</sup>	≤100	≥2.96	≥99.89%
		Carbapenem-resistant Enterobacterales <i>K. pneumoniae</i> (CRE)	NCTC® 13440		9.44 x 10 <sup>4</sup>	≤100	≥2.97	≥99.89%

\*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)  
Laboratory Manager,  
BioLabTests Ltd



END OF REPORT