



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Test Report

Product name: TriBioSan

Batch or ref no:

Manufacturer or supplier: Eco-Mist Biotechnics International Ltd
Unit A2, Mainline Industrial Estate, Milnthorpe, LA7 7LR

Sample ref: 18G/010 **Date received:** 5 July 2018

Date tested: 6 July 2018 **Report date:** 9 July 2018

Report no: 18G.010BB.EMB **Page:** 1 of 4

Analysis required: EN 1040:2005, Chemical disinfectants and antiseptics -
Quantitative suspension test for the evaluation of basic
bactericidal activity of chemical disinfectants and
antiseptics - Test method and requirements (phase 1)

Storage conditions: Room temperature in darkness

Appearance of product (solution): Clear colourless liquid

Active substance(s) and their concentration(s): Not disclosed

Notes

The test results in this report relate only to the sample(s) tested.
This test report may not be reproduced except in full, adapted, altered or used
to create a derivative work, without written approval from Abbott Analytical.

D C Watson BSc, CBiol, MRSB

Abbott Analytical Limited
Unit 2, Hickmans Road,
Birkenhead, CH41 1JH, United Kingdom

Registered address: Kemp House, 160 City Road,
London, EC1V 2NX, United Kingdom

Telephone: +44 (0)151 345 6753
email: enqs@abbottanalytical.co.uk
www.abbottanalytical.co.uk

A company registered in England and Wales
Company number 10031406



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Report no: 18G.010BB.EMB

Date: 9 July 2018

Page: 2 of 4

Experimental conditions

Concentration(s) of product tested: Neat¹

Product diluent: N/A

Test organism(s): *Pseudomonas aeruginosa* (DSM 939)
Staphylococcus aureus (DSM 799)

Contact time(s): 5 min ± 10 s

Test temperature: 20 °C ± 1 °C

Test conditions: N/A

Interfering substance: None

Method: Dilution-neutralisation

Neutralising solution: 30 g/l Polysorbate 80 + 3 g/l Lecithin +
1 g/l L-histidine + 1 g/l L-cysteine

Incubation temperature: 36 °C ± 1 °C

Remarks

- 1) Products can only be tested at a concentration of 80 % or less as some dilution is always produced by adding the test organisms and interfering substance.

Conclusion

When tested neat this sample of TriBioSan meets the requirements of EN 1040:2005 for bactericidal activity in 5 minutes at 20 °C, against both of the referenced strains of *Pseudomonas aeruginosa* and *Staphylococcus aureus*.

D C Watson BSc, CBiol, MRSB

Abbott Analytical Limited
Unit 2, Hickmans Road,
Birkenhead, CH41 1JH, United Kingdom

Registered address: Kemp House, 160 City Road,
London, EC1V 2NX, United Kingdom

Telephone: +44 (0)151 345 6753
email: enqs@abbottanalytical.co.uk
www.abbottanalytical.co.uk

A company registered in England and Wales
Company number 10031406



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Report no: 18G.010BB.EMB

Date: 9 July 2018

Page: 3 of 4

Results: *Pseudomonas aeruginosa* (DSM 939)

Validation and controls:

Validation suspension (N_{v_o})			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C) Product conc.: Neat		
Vc1	74	$\bar{x} =$	Vc1	69	$\bar{x} =$	Vc1	72	$\bar{x} =$	Vc1	69	$\bar{x} =$
Vc2	71	72.5	Vc2	73	71	Vc2	70	71	Vc2	69	69
$30 \leq \bar{x} (N_{v_o}) \leq 160$? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (A) \geq 0.5 \times \bar{x} (N_{v_o})$? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (B) \geq 0.5 \times \bar{x} (N_{v_o})$? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (C) \geq 0.5 \times \bar{x} (N_{v_o})$? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		

Test suspension: (N and N_o)

N	Vc1	Vc2	$\bar{x}(\text{wm}) = 3.55 \times 10^8$; $\lg N = 8.55$
10^{-6}	>330	>330	$N_o = N/10$; $\lg N_o = 7.55$
10^{-7}	34	37	$7.17 \leq \lg N_o \leq 7.70$? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts (N)			Quotient = N/A Between 5 and 15 ? <input type="checkbox"/> yes <input type="checkbox"/> no

Test:

Product test conc.	Contact time	Vc1	Vc2	$N_a =$ ($\bar{x} \times 10$)	$\lg N_a =$	$\lg R =$ ($\lg N_o - \lg N_a$)	Status
Neat	5 min	0	0	< 140	< 2.15	> 5.40	PASS

D C Watson BSc, CBiol, MRSB

Abbott Analytical Limited
Unit 2, Hickmans Road,
Birkenhead, CH41 1JH, United Kingdom

Registered address: Kemp House, 160 City Road,
London, EC1V 2NX, United Kingdom

Telephone: +44 (0)151 345 6753
email: enqs@abbottanalytical.co.uk
www.abbottanalytical.co.uk

A company registered in England and Wales
Company number 10031406



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Report no: 18G.010BB.EMB

Date: 9 July 2018

Page: 4 of 4

Results: *Staphylococcus aureus* (DSM 799)

Validation and controls:

Validation suspension (N_{v_o})			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C) Product conc.: Neat		
Vc1	87	$\bar{x} =$	Vc1	91	$\bar{x} =$	Vc1	90	$\bar{x} =$	Vc1	84	$\bar{x} =$
Vc2	92	89.5	Vc2	83	87	Vc2	90	90	Vc2	90	87
$30 \leq \bar{x} (N_{v_o}) \leq 160$? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (A) \geq 0.5 \times \bar{x} (N_{v_o})$? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (B) \geq 0.5 \times \bar{x} (N_{v_o})$? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (C) \geq 0.5 \times \bar{x} (N_{v_o})$? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		

Test suspension: (N and N_o)

N	Vc1	Vc2	$\bar{x} (wm) = 3.65 \times 10^8$; $\lg N = 8.56$
10^{-6}	>330	>330	$N_o = N/10$; $\lg N_o = 7.56$
10^{-7}	39	34	$7.17 \leq \lg N_o \leq 7.70$? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts (N)			Quotient = N/A Between 5 and 15 ? <input type="checkbox"/> yes <input type="checkbox"/> no

Test:

Product test conc.	Contact time	Vc1	Vc2	$N_a =$ ($\bar{x} \times 10$)	$\lg N_a =$	$\lg R =$ ($\lg N_o - \lg N_a$)	Status
Neat	5 min	0	0	< 140	< 2.15	> 5.41	PASS

D C Watson BSc, CBiol, MRSB

Abbott Analytical Limited
Unit 2, Hickmans Road,
Birkenhead, CH41 1JH, United Kingdom

Registered address: Kemp House, 160 City Road,
London, EC1V 2NX, United Kingdom

Telephone: +44 (0)151 345 6753
email: enqs@abbottanalytical.co.uk
www.abbottanalytical.co.uk

A company registered in England and Wales
Company number 10031406