

Offshoot (NZ) Ltd  
34 Rosemont Road  
Waihi  
Waihi, 3610  
NZ

Client Account Number: A00905133OBN  
Eurofins Quote Number: X9NBPH20008401

**Eurofins Sample Number FQ20AA3579-1**

<b>Original Received Date:</b>	27-Aug-2020
<b>Description:</b>	Offshoot Wipes, 500mL
<b>Containers Submitted:</b>	1 Bottle(s)

**Analysis**

**Time Kill Test**

Refer to Attachment # 1

Method: TMD 110, EN 1276  
Analysis Date: 22-Oct-2020

**Testing of virucidal activity of disinfectants by surface carrier technique**

Refer to Attachment # 2

Method: TMCV 006, ASTM E1053  
Analysis Date: 29-Sep-2020

**Supplemental Information**

For FQ20AA3579-1:

Solution provided is added to wipes.

Instead of providing wipes for "squeezing" solution out, client has provided the solution added.

Eurofins BPT Testing Facility	Test
Eurofins ams Laboratories Pty Ltd 8, Rachael Close Silverwater, NSW 2128 AUSTRALIA	Testing of virucidal activity of disinfectants by surface carrier technique Time Kill Test

**Contracted Company: Eurofins BioPharma Product Testing NZ Ltd**

35 O'Rorke Road, Penrose, Auckland 1061 New Zealand  
nzbiopharma@eurofins.com

*Medsafe GMP certificate number TT60-200-16-3*

*Questions about this report should be directed to your project manager or the general email listed above.*



Test Conditions	
<b>Test Concentration</b>	Neat
<b>Contact Time</b>	5 Minutes
<b>Neutraliser/ Dilution</b>	T6 1:10
<b>Test Conditions</b>	Dirty (0.3% BSA)
<b>Test Temperature</b>	Room Temperature

### RESULTS

Table 1: Surviving organisms after exposure to the Product under Test			
Organism	Inoculum Control Count	Surviving Test Organisms	
	CFU/mL (Log <sub>10</sub> )	5 Minutes	
		CFU/mL (Log <sub>10</sub> )	Log reduction
MRSA ATCC 33591	7.15 x 10 <sup>7</sup> (7.85)	<10 <(1.00)	>6.85
<i>K.pneumoniae</i> ATCC 2146	3.75 x 10 <sup>7</sup> (7.57)	<10 <(1.00)	>6.57
<i>C.albicans</i> ATCC 10231	1.02 x 10 <sup>7</sup> (7.01)	<10 <(1.00)	>6.01
<i>Aspergillus</i> ATCC 16404	4.20 x 10 <sup>6</sup> (6.62)	2.75 x 10 <sup>2</sup> (2.44)	4.18
<i>S.aureus</i> ATCC 6538	2.50 x 10 <sup>7</sup> (7.40)	<10 <(1.00)	>6.40

<i>E.coli</i> NCTC 10538	2.40 x 10 <sup>7</sup> (7.38)	<10 <(1.00)	>6.38
<i>P.aeruginosa</i> ATCC 15442	4.70 x 10 <sup>7</sup> (7.67)	<10 <(1.00)	>6.67
<i>S.typhimurium</i>	1.04 x 10 <sup>8</sup> (8.02)	<10 <(1.00)	>7.02
<i>L.monocytogenes</i>	3.25 x 10 <sup>7</sup> (7.51)	<10 <(1.00)	>6.51

CFU = Colony Forming Unit

Table 2 Neutralisation Validation Results					
Organisms	Validation suspension (Nv)	Experimental condition (A)	Neutralizer control (B)	Method validation (C)	Pass/Fail
MRSA ATCC 33591	38	52	50	56	Pass
<i>K.pneumoniae</i> ATCC 2146	36	35	40	35	Pass
<i>C.albicans</i> ATCC 10231	10	10	9	11	Pass
<i>Aspergillus</i> ATCC 16404	5	6	9	10	Pass
<i>S.aureus</i> ATCC 6538	36	34	40	39	Pass

<i>E.coli</i> NCTC 10538	25	28	24	37	Pass
<i>P.aeruginosa</i> ATCC 15442	36	42	34	34	Pass
<i>S.typhimurium</i>	55	65	52	37	Pass
<i>L.monocytogenes</i>	86	62	50	79	Pass

**A, B & C must be  $\geq 0.5N_v$**

**COMMENTS:** The product showed greater than 6 log reduction against MRSA, *K.pneumoniae*, *C.albicans*, *S.aureus*, *E.coli*, *P.aeruginosa* and *L.monocytogenes*, greater than 7 log reduction against *S.typhimurium* and 4.18 log reduction against *Aspergillus* at 5 Minutes contact time.