

SAN-AIR AUSTRALIA PTY LTD
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Castle Hill, 1765
AU

Client Account Number: A0073799687K
Eurofins Quote Number: P8SXP19000603

Eurofins Sample Number NJ20AA4663-2

Original Received Date:	03-Apr-2020
Description:	San-Air V3R 100mL; Expiry Date: 4/2021
Lot Number:	V3R
Containers Submitted:	1 Bottle(s)

Analysis**006 Testing of virucidal activity of disinfectants by surface carrier technique**

Refer to Attachment # 1

Method: TMCV 006, ASTM 1053

Analysis Date: 19-May-2020

Supplemental Information

Samples were tested as received. Specifications (if) reported are as provided by the client.

Contracted Company: Eurofins ams Laboratories Sydney

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amslabs@eurofins.com

*TGA Licence No: MI-15112007-LI-002191-11 APVMA Licence No: 6139**Questions about this report should be directed to your project manager or the general email listed above.*

CONDITIONS	
Virus Strain	Murine hepatitis virus (MHV) -1 ATCC/VR-261
Cell Substrate	A9 cells ATCC/CCL- 1.4
Test Concentration	Neat
Contact Time	10 minutes
Test Temperature	Room temperature
Test Condition	Dirty 5% FBS (Fetal Bovine Serum)
Neutraliser	2% FBS in MM

RESULTS: TABLE 1: MHV-1 test/control results for 10 minutes contact

Virus Dilution	Number of Inoculated Wells	Virus Control	Cytotoxicity	Neutralisation	Test Sample
10 ⁻¹	4	4 ⁺ /4	C	C	C
10 ⁻²	4	4 ⁺ /4	C	C	C
10 ⁻³	4	4 ⁺ /4	0 ⁺ /4	4 ⁺ /4	0 ⁺ /4
10 ⁻⁴	4	4 ⁺ /4	N/A	N/A	0 ⁺ /4
10 ⁻⁵	4	4 ⁺ /4	N/A	N/A	0 ⁺ /4
10 ⁻⁶	4	3 ⁺ /4	N/A	N/A	0 ⁺ /4
10 ⁻⁷	4	2 ⁺ /4	N/A	N/A	N/A
10 ⁻⁸	4	0 ⁺ /4	N/A	N/A	N/A
Log ₁₀	-	6.77	2.5	2.5	2.5
Log ₁₀ Reduction of Virus after Treatment				4.27	

Note: Presence of virus in each response is recorded as “+”

Absence of virus in each response is recorded as “0”

Cytotoxic response is recorded as “C”

Calculated virus titre = $10^{6.77} \text{TCID}_{50/0.1\text{ml}}$ (6.77 \log_{10})

Cell control - 4 wells with healthy cell monolayer

* The Reed & Muench LD50 Method was used for determining the virus titre endpoint.

CONCLUSIONS:

Considering the cytotoxicity and neutralisation test results, the sample has shown virucidal efficacy against MHV-1 by achieving 4.27 log reduction in virus concentration after 10 minutes exposure period at room temperature.