

Aaron & Willoughby Ltd t/a Agility Health Co NZ
74 Bourke St
Palmerston North, 4410
NZ

Client Account Number: A00844734CTL
Eurofins Quote Number: X9NBPH20003301

Eurofins Sample Number FQ20AA1786-1	
Original Received Date:	08-May-2020
Description:	Total Colostrum Powder
Lot Number:	RM0030
Containers Submitted:	1 Bottle(s)
Analysis	Result
006 Testing of virucidal activity of disinfectants by surface carrier technique	See Attached Report for Result
Refer to Attachment # 1	----
Method: TMCV 006, ASTM 1053 Analysis Date: 02-Jun-2020	
Supplemental Information	
Specifications (if) reported are as provided by the client. The Accreditation logo on this Analytical report relates to Eurofins BPT Testing Facility.	
Eurofins BPT Testing Facility	Test
Eurofins ams Laboratories Pty Ltd 8, Rachael Close Silverwater, NSW 2128 AUSTRALIA	006 Testing of virucidal activity of disinfectants by surface carrier technique
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.

Reviewed and electronically signed for Data Reviewer Authorized by
Teresa Susanto, Laboratory Manager- Sterility
for Eurofins ams Laboratories Pty Ltd, on 19-Jun-2020 01:42:36 UTC+12:00
Reviewed and electronically signed for Project Manager Approval by
Derek Radford, Business Unit Manager
for Eurofins BioPharma Product Testing NZ Ltd, on 22-Jun-2020 11:58:03 UTC+12:00

CONDITIONS	
Virus Strain	Murine hepatitis virus (MHV) -1 ATCC/VR-261
Cell Substrate	A9 cells ATCC/CCL- 1.4
Test Concentration	10 g in 30 mL (in DIW)
Contact Time	24 hours
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 24 hours 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	0 ⁺ /4	4 ⁺ /4	4 ⁺ /4
10 ⁻³	4	4 ⁺ /4	0 ⁺ /4	4 ⁺ /4	2 ⁺ /4
10 ⁻⁴	4	4 ⁺ /4	N/A	N/A	0 ⁺ /4
10 ⁻⁵	4	3 ⁺ /4	N/A	N/A	0 ⁺ /4
10 ⁻⁶	4	3 ⁺ /4	N/A	N/A	0 ⁺ /4
10 ⁻⁷	4	1 ⁺ /4	N/A	N/A	N/A
10 ⁻⁸	4	0 ⁺ /4	N/A	N/A	N/A
Log ₁₀	-	6.33	1.5	1.5	2.50
Log ₁₀ Reduction of Virus after Treatment				3.83	

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^{6.33} TCID_{50/0.1ml} (6.33 log₁₀)
 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 3.83 log reduction in virus concentration after 24 hours exposure period at room temperature.