

CONDITIONS	
Virus Strain	Murine hepatitis virus (MHV) -1 ATCC/VR-261
Cell Substrate	A9 cells ATCC/CCL- 1.4
Test Concentration	Neat, 3 sprays
Contact Time	30 minutes
Test Temperature	Room temperature
Test Condition	Follow the protocol 20-TVP-020
Neutraliser	2% FBS in MM

RESULTS: TABLE 1: MHV-1 test/control results for 30 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	0 ⁺ /4	4 ⁺ /4	4 ⁺ /4
10 ⁻³	4	4 ⁺ /4	0 ⁺ /4	4 ⁺ /4	4 ⁺ /4
10 ⁻⁴	4	4 ⁺ /4	N/A	N/A	3 ⁺ /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	4.33
Log ₁₀ Reduction of Virus after Treatment				2.00	

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 2.00 log reduction in virus concentration after 30 minutes exposure period at room temperature.