

Test Report



Report No. 2021KRIBS1605.0001R01

page 1 of 4

Issued Date : 2022. 03. 08.
 Client : NAEWOIKOREA Co., LTD.
 Sample No. : 1
 Sample Description : NWK A-FV 2
 Analysis : Evaluation of float-virus reduction for NWK A-FV 2

Result

1. Virus : Feline coronavirus (FCoV)
2. Host cell : CRFK cell
3. chamber size : 80 x 50 x 50 cm³
3. Test condition : 4 weeks of Sample processing period in chamber,
 2-hour contact time, 25±1 °C
4. Result

Sample	Result			
	Control (log TCID ₅₀)	2-hour contact time(log TCID ₅₀)	Log reduction	Persent reduction (%)
NWK A-FV 2	4.14	3.49	0.65	77.61

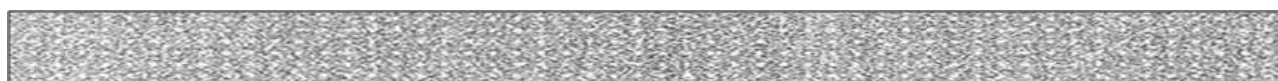
* For details please see attached pages.

confirmation	Tested by Hye-sun Yun	Approved by Moon Gyu Chung
--------------	-----------------------------	----------------------------------

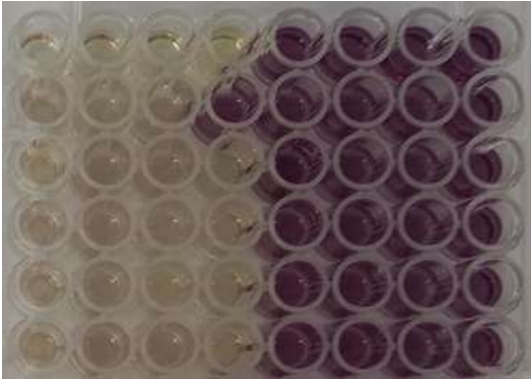

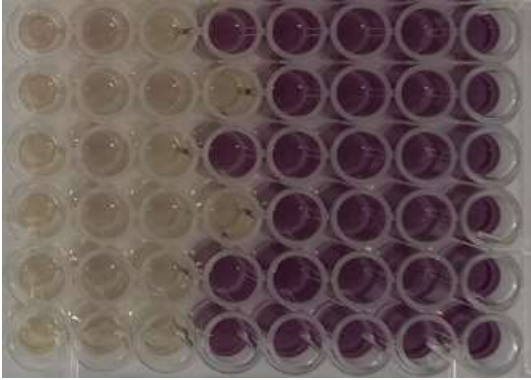

Note.

1. The test results on this report are only limited to the samples and sample names provided by the customer and KRIBS do not guarantee the quality of all products of the customer.
2. This test report shall not be used for public relation, advertisement, lawsuit and any other purposes outside the scope of its defined usage.


Korea Research Institute of Biomedical Science

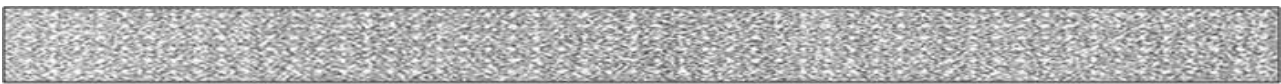


1. Photo of plate


Sample	Result
Control	<div style="text-align: center;"> 10^0 10^{-1} 10^{-2} 10^{-3} 10^{-4} 10^{-5} 10^{-6} 10^{-7} </div>  <div style="text-align: center;">  </div>
NWK A-FV 2	<div style="text-align: center;"> 10^0 10^{-1} 10^{-2} 10^{-3} 10^{-4} 10^{-5} 10^{-6} 10^{-7} </div>  <div style="text-align: center;">  </div>

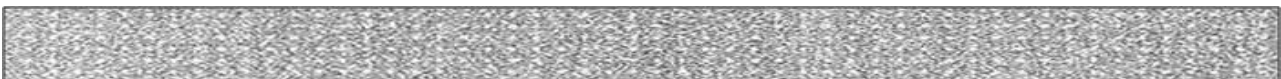
2. Photo of sample

Sample	photo
NWK A-FV 2	



3. Information of chamber

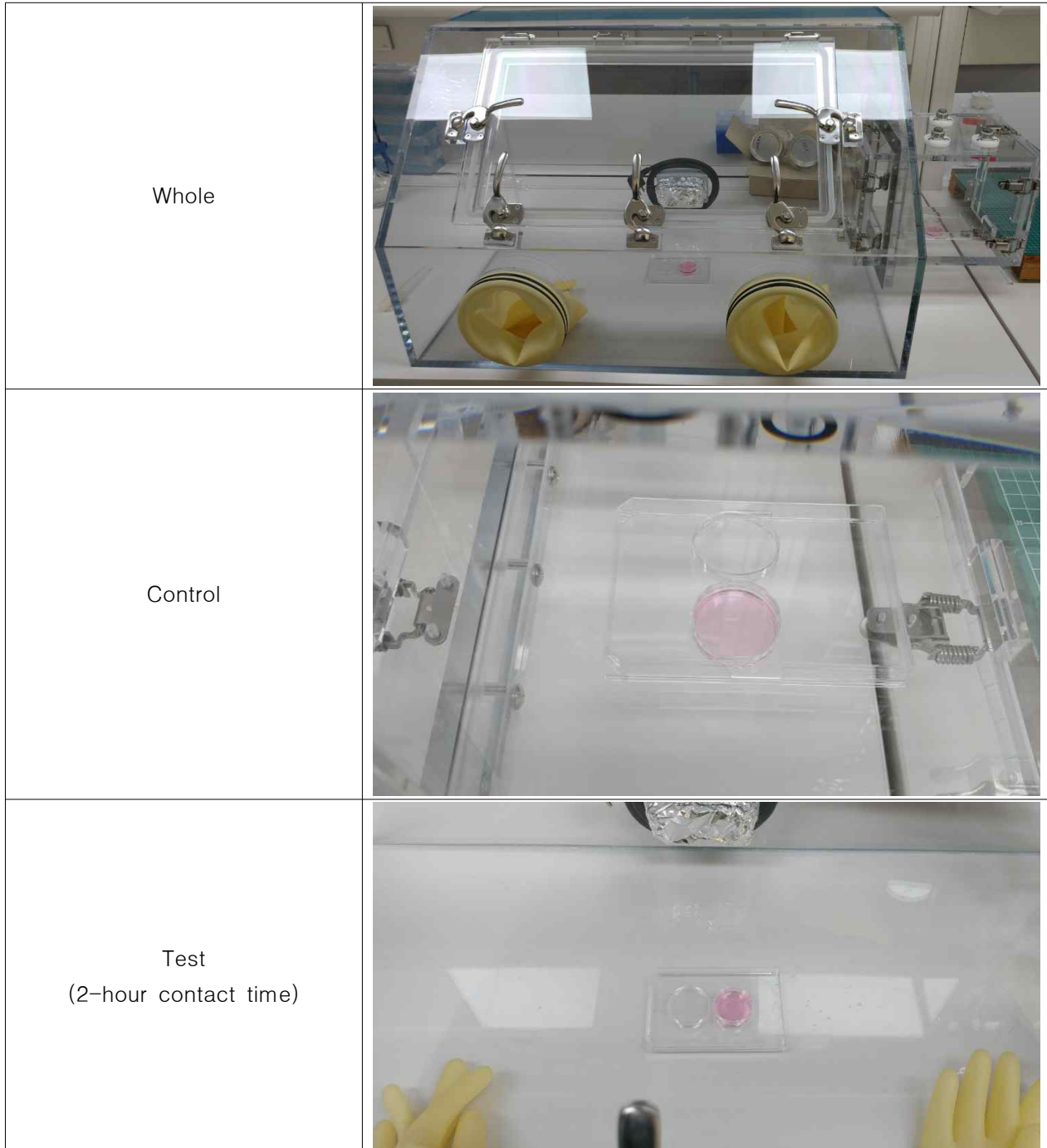
Chamber size	photo
80 x 50 x 50 cm ³	



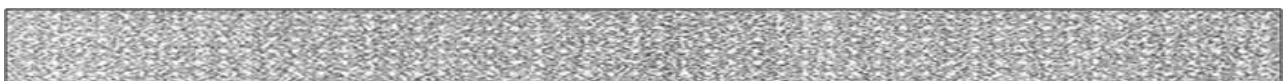
Attached page

page 4 of 4

4. Photo of Experiment



-THE END-



<Annex>

*** Method**

1. The overview of test chamber is shown in Photo 1. The test chamber (800 mm x 500 mm x 500 mm) made of polyvinyl chloride.
2. NWK A-FV2 were were sprayed into the chamber and aerosol of NWK A-FV2 were left for 4 weeks after nebulizing.
3. After 4 weeks, anti-viral activity test was performed. Feline coronavirus was in contact with the aerosol of NWK in the chamber for 2 hours. Viral infectivity titers in the recovery solution were determined by observation of TCID50 assay of CRFK cell. In order to test TCID50 assay, 200 μ l of the 10- fold serial dilution of the Feline coronavirus suspension is inoculated into 96-well plate which CRFK cell are attached. After incubation for 8 days at 37 °C in a CO2 incubator, virus-reduced effect was observed by staining with crystal violet.

