TEST REPORT FOR WYND

Report No.: JKK20030115B

Date: 05-May-2020

The following samples are provided and confirmed by the applicant:

Sample Name: Air Purifier
Model No.: WYND Max Purifier
Manufacturer: WYND Technologies Inc.
Sample Receiving Date: 2020/3/23
Testing Period: 2020/3/27 – 2020/4/25
Test Requests: Refer to following pages
Test Method: Refer to following pages
Test Result: Refer to following pages
Sample Description: Complete Machine

REMARKS

1. Relevant projects are not within the scope of qualification certification, and are only for internal use by the client.

2. The test results shown in the report were actually carried out by GIR Medicine Co., Ltd.

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Experiment Method

TEST SUPPLIES

1. Strain: Influenza A virus A/PR8/34 (H1N1)
2. Cells: MDCK cells

TEST CONDITIONS

1. Temperature: 23~25 °C
2. Relative humidity: 50~60%
3. Experiment time: 60 minutes
4. Cabin volume: 30 m3
5. Instrument settings: maximum purification power

TEST PROCEDURE

1. Adjust the temperature and relative humidity of the test cabin to the test requirements. Places measurement apparatus in the experiment cabin at once and close the hatch.

2. Turn on the aerosol generator to nebulize the flu virus, and use a fan to mix the air inside the cabin. After the virus nebulization and mixture process is completed, let the cabin air settle for a certain period of time. Sample the control cabin and the test cabin before purification respectively. Purify the air in test cabin using test device. The control cabin was left undisturbed to serves as a control.

3. Simultaneously sample the test air in the test and control cabin after the specified time of 60 minutes. And repeat the experiment for 3 times.

4. Dilute the recovered solution 10 times, add the diluted solution to a 96-well cell culture plate containing MDCK cells grown to a single layer, set a normal control group, and add an equal amount of culture solution. Place in a 37°C, 5% CO2 incubator for 2 hours, discard the supernatant fluid, add antibiotic-containing maintenance medium to continue incubation for 3 to 5 days, and observe the cell growth status every day. When MDCK cells inoculated with the virus showed pathological changes such as rounding and shrinking, record the occurrence of cell pathological changes. Calculate half of the infection volume TCID50 according to the Reed-Muench. Calculate the virus titer and clearance rate in the sample.

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Test Result

Virus: H1N1

	VIRUS TITER OF CONTROL GROUP			VIRUS TITER OF TEST GROUP		
TEST	0 HOUR (TCID50/m3)	60 MINUTES (TCID50/m3)	NATURAL DECAY RATE	0 HOUR (TCID50/m3)	60 MINUTES (TCID50/m3)	CLERANCE RATE
1	**$2.85x10^6$**	**$6.24x10^5$**	**78.11%**	**$2.85x10^6$**	**Undetectable**	**≥99.99%**
2	**$2.26x10^6$**	**$6.24x10^5$**	**72.39%**	**$2.26x10^6$**	**Undetectable**	**≥99.99%**
3	**$1.33x10^6$**	**$2.85x10^5$**	**78.57%**	**$1.33x10^6$**	**Undetectable**	**≥99.99%**

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Sample Photo