



中国认可
国际互认
检测
TESTING
CNAS L7673

TEST REPORT

Applicant : Guangdong Jiajie Technology Co., Ltd.
Address : Rong Hua Building, Wan Hu West Road, Shi Wan , Boluo, Hui Zhou City, Guangdong, China

The following merchandise was (were) submitted and identified by the client as:

Name of Sample : Y0 nano superconducting disinfection factor (fast and slow tablets)
Test Type : Commission
Sample Quantity : 100pcs
Model : 10pcs/pack
Batch No. : 202204
Brand : /
Manufacturer: Guangdong Jiajie Technology Co., Ltd.
Sample Received : 2022/04/24
Test Period : 2022/04/24-2022/05/20
Test Items : Please refer to next page(s).
Test Method : Please refer to next page(s).
Test Result : Please refer to next page(s).
Sample Description : Solid
Note: /

Edited by: 黄婉婷

Approved by: [Signature]

Checked by: 叶智坚

Official Seal: [Red Seal]



TEST RESULTS(1):

Table 1 Identification test of neutralizer					
Test Group		Log of virus titer of three tests lg(TCID ₅₀ /mL)			Average log of virus titer
		1	2	3	lg(TCID ₅₀ /mL)
1	Disinfectant+ Virus suspension	2.17	2.20	2.28	2.22
2	(Disinfectant+Virus suspension)+Neutralizer	2.71	2.82	2.59	2.71
3	Neutralizer+Virus suspension	5.47	5.32	5.48	5.42
4	(Disinfectant+Neutralizer)+Virus suspension	5.25	5.32	5.48	5.35
5	Diluent+Virus suspension	5.54	5.47	5.59	5.53
6	Diluent+Neutralizer+Medium	/	/	/	/

Inspection instructions:

1. Test method

Technical Standard for Disinfection (2002)2.1.1

2. Test object

Virus strain: H1N1 (VR-1469);

Cell: MDCK cell

3. Test equipment

1) Neutralizer:3.9%D/E Neutralizing Broth Medium;

2) PBS

3) Organic interference:0.3g/l BSA;

4) 96 well cell plate

 5) Biological safety cabinet (class II);CO₂ incubator; Inverted microscope; Cryogenic refrigerated centrifuge; High pressure steam sterilizer; Water bath etc

4. Test method

 1) Preparation of virus suspension: 1.49×10^7 TCID₅₀/mL virus suspension and 0.3g/l BSA was diluted with organic interference;

 2) Identification test of neutralizer:Sample:Water=2:1, acting for 120 min, and normal saline was used for appropriate dilution. The mixed solution was absorbed and inoculated on the prepared cell plates with no less than 8 Wells for each dilution gradient, and the cells were incubated at 35°C with 5%CO₂ for 2h;

 3) The supernatant was discarded, washed with PBS buffer once or twice, then the maintenance medium containing TPCK-trypsin was added, and cultured at 35°C with 5%CO₂ for another 2-3 days;

 4) Cytopathic changes were observed and the occurrence of CPE was recorded.Half of the infections TCID₅₀ were calculated according to the Reed-Muench formula.

***** TO BE CONTINUED *****



TEST RESULTS(2):
Table 2 The virus killing effect and killing Logarithm of the sample

Virus	Test Time	Test No.	Log of control group lg(TCID ₅₀ /mL)	Log of test group lg(TCID ₅₀ /mL)	Killing Logarithm	Killing rate (%)
H1N1	120 min	1	5.59	1.48	4.11	>99.99
		2	5.47	1.48	3.99	99.99
		3	5.45	1.40	4.05	>99.99

Inspection instructions:

1. Test method
Technical Standard for Disinfection (2002)2.1.1
2. Test object
Virus strain: H1N1 (VR-1469);
Cell: MDCK cell
3. Test conditions
1) Environment temperature:20~24℃
2) Environment humidity: 62~65%RH
3) 1g sample was dissolved in 500 mL water
4. Test method:
1) Take 0.1mL interfering material and add it into a centrifuge tube.
2) Add 0.1mL virus suspension into the centrifuge tube, mix, then add 0.8mL test solution, and start timing after mixing.
3) After reaching the specified time of action, absorb 0.5mL of test mixture immediately into 4.5mL of neutralizer for mixing.The 10-fold dilution series mixture (test solution and maintenance solution) was prepared within 30min.The killing rate was calculated by the change of virus titer before and after testing.

 ***** **END OF REPORT** *****


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