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广州市微生物研究所

GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告

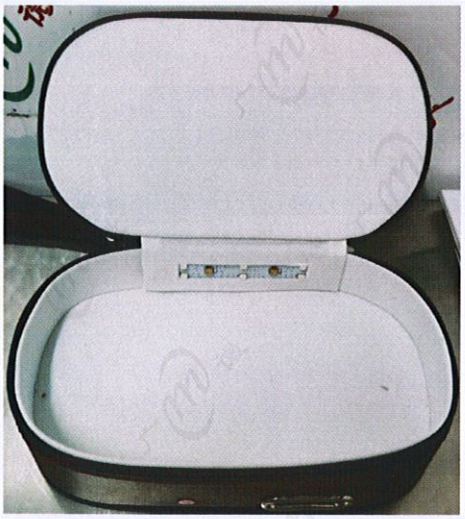
TEST REPORT

Report Number	WJ20201296
Name of Sample	PU sterilizer purse
Applicant	Forever standing stationery co.,Ltd

GUANG ZHOU INSTITUTE OF MICROBIOLOGY

TEST REPORT

Date Received: Apr.26, 2020
Date Analyzed: Apr.28, 2020

Name of Sample	PU sterilizer purse	Source of Sample	Delivery
Applicant	Forever standing stationery co.,Ltd	Client Number	——
Manufacturer	Forever standing stationery co.,Ltd	Brand	——
Type and Specification	90302R4	Quantity of Sample	1 set
Date of Production	2020-4-15	State of Sample	Solid
Batch Number	——	Packing of Sample	——
Photo of Sample			
Standard and Methods	Technical Standard For disinfection(2002) 2.1.5.5 Sterilization and disinfection equipment disinfection efficacy appraisal test Ultraviolet disinfection box		
Items of Analysis	Killing Rate(*Escherichia coli* 8099, *Staphylococcus aureus* ATCC6538, *Candida albicans* ATCC10231)		
Remarks	——		

To be continued

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Date Received: Apr.26, 2020
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Test method

1. Test equipment

1) Medium: Nutrient agar medium（NA）, Yeast peptone dextrose agar(YPD).

2)Test strains: *Escherichia coli* 8099, *Staphylococcus aureus* ATCC6538, *Candida albicans* ATCC10231

3) Carrier: glass（10mm× 10mm).

2. Test steps

1) Preparation of bacteria tablet: Pipette 10 μL of bacterial suspension to each carrier, and the number of bacteria recovered per tablet should be 5×10^5 cfu/ pcs ~ 5×10^6 cfu/ pcs.

2) Place the piece in the sample " PU sterilizer purse "and close to the uv lamp, switch on the power supply, conduct irradiation disinfection and time.

3) Immediately after the test, put the two slides into a test tube containing 5.0ml PBS, oscillate and count the live bacteria culture.

4) Take the same batch of bacteria used in the test as the positive control group and count the live bacteria culture.

5) Repeat the above test 3 times.

Test Results

Number of Sample	Test time	Testing Strains	Bacteria Count of Control (cfu/pcs)	Bacteria Count of Sample (cfu/pcs)	Killing Logarithm value	Killing Rate* (%)
WJ20201296-1	5min	*Escherichia coli*	8.75×10^5	8.40×10^3	2.02	99.040
			8.60×10^5	8.25×10^3	2.02	99.041
			8.35×10^5	7.95×10^3	2.02	99.048
		Staphylococcus aureus	1.09×10^6	1.07×10^4	2.01	99.018
			1.10×10^6	1.10×10^4	2.00	99.000
			1.07×10^6	1.06×10^4	2.00	99.009
		Candida albicans	8.30×10^5	1.08×10^4	1.89	98.699
			8.45×10^5	1.06×10^4	1.90	98.746
			8.10×10^5	1.04×10^4	1.89	98.716

Note: 1）No bacterial growth in negative control group.

2）Killing Rate（%）$= \dfrac{\text{Bacteria Count of Control（cfu/pcs）- Bacteria Count of Sample（cfu/pcs）}}{\text{Bacteria Count of Control（cfu/pcs）}} \times 100\%$

End of report

Editor Checker Issuer Date Reported 2020.5.5

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