



201819000873

Guangzhou CAS Test Technical Services Co., Ltd.

Test Report

Test Report Number: JKK20020003C(R)

Sample Name: Hydrogen Peroxide Sterilizer

Commissioned by: Wuxi BioTeke Co., Ltd.

This report replaces the report No. JKK20020003C issued on February 14, 2020. The original report is invalid.

2020.2.21

Description

1. This inspection report is only responsible for the samples submitted for inspection.
2. The alteration, addition, deletion of this inspection report is invalid, and the unseal of the unit's official seal is invalid, and the copy is invalid.
3. If there is any objection to this inspection report, a review application can be submitted within 30 days from the date of receipt of the report, and it will not be accepted after the deadline.
4. This inspection report and the name of the inspection unit shall not be used for product labeling, advertising, evaluation and product promotion.
5. The technical inspection report is made in triplicate, two copies are submitted to the commission company, and one is filed by the inspection agency.

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Guangzhou CAS Test Technical Services Co., Ltd.

Test Report

Sample acceptance number: JKK20020003

Sample name	Hydrogen peroxide sterilizer	Number of samples	1
Production date or batch number	DS1001202001001	Sample properties	Machine and supporting disinfectant
Model specifications	DS1001	Trademark	BioTeke
Commissioned by	Wuxi BioTeke Co., Ltd.	Pick up date	2020-02-03
Production company	Area A, 4th floor, 1719-5, Huishan Avenue, Wuxi City, Jiangsu Province	Inspection completion date	2020-02-14

Test basis:

《Disinfection Technical Specifications》 (2002 edition) 2.1.3.

Evaluation basis:

《Disinfection Technical Specifications》 (2002 edition)

Test conclusions:

1. Air field test showed that the sample "hydrogen peroxide sterilizer" has a disinfection effect of 60 minutes, and the extinction rate of natural bacteria in the air of an unoccupied room with a volume of about 50m³ of the three tests were $\geq 90.00\%$. The result meet the requirements of the 《Disinfection Technical Specifications》 (2002 edition) .
2. Air field test showed that the sample "hydrogen peroxide sterilizer" has a disinfection effect of 120 minutes, and the extinction rate of natural bacteria in the air of an unoccupied room with a volume of about 50m³ of the three tests were $\geq 90.00\%$. The result meet the requirements of the 《Disinfection Technical Specifications》 (2002 edition) .

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Guangzhou CAS Test Technical Services Co., Ltd.

Test Report

Sample acceptance number: JKK20020003

Sample name	Hydrogen peroxide sterilizer	Pick up date	2020-02-03
Inspection item	Air field disinfection test	Inspection completion date	2020-02-08

I. Equipment

1. Test site: 50m³ unoccupied room.
2. Culture medium: nutrient agar medium containing neutralizer, sampler: six-stage sieve air impact sampler,
3. Disinfection equipment; DS1001 hydrogen peroxide sterilizer.

II. Method

1. Test basis: 《Disinfection Technical Specifications》 (2002 edition) 2.1.3 .
2. Detection environment: temperature: (21 ~ 23) °C, relative humidity: (45 ~ 55) % RH.
3. Machine running status: Just turn on the equipment.
4. Disinfection method: Place the sample to be tested in an unmanned closed room during the test, and arrange the sample "hydrogen peroxide sterilizer" with the hydrogen peroxide disinfectant solution according to the customer's instructions into the machine, set the volume parameter of the machine to 50m³, the concentration parameter to 10mL / m³, start the disinfection of the equipment after 60min of treatment, and repeat the test 3 times.
5. Sampling method: Sampling with a six-stage sieve air impact sampler, the sampling flow rate is 28.3L / min; sampling time: 5min before disinfection, 10min after disinfection, the sampling point is 1.0m above the ground.

III. Results

The test site is an airtight room of about 50m³ without people, the ambient temperature is (21-23) °C, and the relative humidity is (45-55) % RH. The killing rate of the three trials were 98.44%, 97.51%, and 97.60%.

Table1. Air disinfection effect test (air natural bacteria) experimental data

Test strain	React time (min)	Test number	Colonies before test (CFU / m ³)	Colonies after test (CFU / m ³)	Extinction rate (%)
Air natural bacteria	60	1	1.8×10 ³	28	98.44
		2	2.13×10 ³	53	97.51
		3	1.92×10 ³	46	97.60

IV. Conclusion

The sample "hydrogen peroxide sterilizer" was turned on and processed for 60 minutes. The extinction rate of 3 times of natural bacteria in the air of about 50m³ in an unoccupied room were ≥90.00%.) The results meet the requirements of 《Disinfection Technical Specifications》 (2002 edition).

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Guangzhou CAS Test Technical Services Co., Ltd.

Test Report

Sample acceptance number: JKK20020003

Sample name	Hydrogen peroxide sterilizer	Pick up date	2020-02-03
Inspection item	Air field disinfection test	Inspection completion date	2020-02-08

I. Equipment

1. Test site: 50m³ unoccupied room.
2. Culture medium: nutrient agar medium containing neutralizer, sampler: six-stage sieve air impact sampler,
3. Disinfection equipment; DS1001 hydrogen peroxide sterilizer.

II. Method

1. Test basis: 《Disinfection Technical Specifications》 (2002 edition) 2.1.3 .
2. Detection environment: temperature: (21 ~ 23) °C, relative humidity: (45 ~ 55) % RH.
3. Machine running status: Just turn on the equipment.
4. Disinfection method: Place the sample to be tested in an unmanned closed room during the test, and arrange the sample "hydrogen peroxide sterilizer" with the hydrogen peroxide disinfectant solution according to the customer's instructions into the machine, set the volume parameter of the machine to 50m³, the concentration parameter to 10mL / m³, start the disinfection of the equipment after 120min of treatment, and repeat the test 3 times.
5. Sampling method: Sampling with a six-stage sieve air impact sampler, the sampling flow rate is 28.3L / min; sampling time: 5min before disinfection, 10min after disinfection, the sampling point is 1.0m above the ground.

III. Results

The test site is an airtight room of about 50m³ without people, the ambient temperature is (21-23) °C, and the relative humidity is (45-55) % RH. The killing rate of the three trials were 99.39%, 99.15%, and 99.43%.

Table1. Air disinfection effect test (air natural bacteria) experimental data

Test strain	React time (min)	Test number	Colonies before test (CFU / m ³)	Colonies after test (CFU / m ³)	Extinction rate (%)
Air	120	1	1.8×10 ³	11	99.39
natural		2	2.13×10 ³	18	99.15
bacteria		3	1.92×10 ³	11	99.43

IV. Conclusion

The sample "hydrogen peroxide sterilizer" was turned on and processed for 120 minutes. The extinction rate of 3 times of natural bacteria in the air of about 50m³ in an unoccupied room were ≥90.00%.) The results meet the requirements of 《Disinfection Technical Specifications》 (2002 edition).

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