



201819000873

# TEST REPORT

**Report No.:** GXX22050230B(E)

**Applicant :** Guangdong Jiajie Technology Co., Ltd.

**Address :** Rong Hua Building, Wan Hu West Road,  
Shi Wan, Boluo, Hui Zhou City,  
Guangdong, China

**Edited by:** 文景丽

**Approved by:** 陈树宝

**Checked by:** 张阳

**Official Seal:** 检验检测专用章

Report No. :GXX22050230B(E)

Date :2022/08/04

<b>Name of Sample</b>	Y0 nano superconducting disinfection factor (fast and slow tablets)	<b>Brand</b>	/
<b>Sample No.</b>	GXX22050230	<b>Sample appearance</b>	Solid
<b>Model</b>	10 tablets/package	<b>Sample Quantity</b>	60 tablets
<b>Batch No./Date</b>	/	<b>Test Type</b>	Commission
<b>Sample Received</b>	2022/05/26	<b>Test Period</b>	2022/05/26-2022/08/04
<b>Manufacturer</b>	Guangdong Jiajie Technology Co., Ltd.		
<b>Address</b>	Rong Hua Building, Wan Hu West Road, Shi Wan, Boluo, Hui Zhou City, Guangdong, China		
<b>Test Item</b>	Mice bone marrow micronucleus test		
<b>Test Method</b>	Technical Standard for Disinfection (2002) 2.3.8.4 Mice bone marrow micronucleus test		
<b>Test Result/Conclusion</b>	Please refer to next page(s)		
<b>Note</b>	/		

 \*\*\*\*\* **END OF THE PAGE** \*\*\*\*\*

## TEST RESULTS:

### 1. Testing Standard

Technical Standard for Disinfection (2002) 2.3.8.4 Mice bone marrow micronucleus test.

### 2. Experimental animals

Healthy Adult SPF KM mice (20, half male and half female) weighted between 25g~30g and supplied by Guangdong Medical Experiment Animal Center. The laboratory animal production license and quality certificate were SCXK (Guangdong province) 2022-0002 and No.44007200104818, 44007200104057. The feed was provided by Guangdong Medical Experiment Animal Center. The feed production license and the certificate number of the company were Guangdong Province (2019) 05073 and No.44200300027043.

3. Positive control substance: Cyclophosphamide (CP) was purchased from Jiangsu Qishi Biotechnology Co., LTD, lot number:21AU02B.

### 4. Sample preparation

4.1 Sample and water prepared in the ratio of 1g: 1L as test samples. And the test sample was mixed with sterilized water at 254.0mg/mL、128.5mg/mL、51.0mg/mL .

4.2 Animal grouping: the sample test solution was pre-tested by acute oral toxicity test and the LD<sub>50</sub> of mice was greater than 5000mg/kg BW. There were three dose groups: 5000mg/kg BW, 2500mg/kg BW, and 1000mg/kg BW. Cyclophosphamide (CP) positive control group(40mg/kg BW). The negative control group was sterilized water, with 10 mice in each group, half male and half female.

### 5. Test method

5.1 Exposure: The animals were given 0.2mL / 10g BW of the sample solution, intragastrically once. 24h after the first dose, the sample was administered again. The animals were executed 6 hours after the second dose.

5.2 Get the specimen: Bone marrow cavity was washed with calf serum to prepare cell suspension smear. After natural drying, the bone was fixed in methanol for 10 Min, Giemsa staining for 15 min, then washed with PBS at pH 6.8 and dried.

\*\*\*\*\* TO BE CONTINUE \*\*\*\*\*

Report No. :GXX22050230B(E)

Date :2022/08/04

5.3 Read: Counting 1000 PCE per animal. Micronucleus rate refers to the number of PCE containing micronuclei, expressed in thousandths. Here are two or more microkernels in 1 PCE, still counting by 1.

In addition, the PCE/NCE ratio should be observed as an index of cytotoxicity. In count 200 PCE. Count the number of NCE seen, and calculate the PCE/NCE ratio. The animals were maintained at a room temperature of 22°C~26°C, relative humidity of 40%-70%.

6. The test results

Table 1 Mice bone marrow micronucleus test result

Group	Dose (mg/kg BW)	Sex	Number of animals	Weight (g)	Frequency of MNPCE (%, $\bar{x} \pm s$ )	PCE/NCE ( $\bar{x} \pm s$ )
Negative	0	♀	5	26.16±0.39	0.00±0.00	1.27±0.12
		♂	5	26.98±0.70	0.00±0.00	1.26±0.15
Treatment	1000	♀	5	26.06±0.91	0.20±0.45	1.25±0.07
		♂	5	27.12±0.73	0.00±0.00	1.25±0.04
	2500	♀	5	25.94±0.30	0.40±0.55	1.27±0.14
		♂	5	27.00±0.36	0.20±0.45	1.24±0.12
	5000	♀	5	26.68±0.18	0.40±0.55	1.25±0.06
		♂	5	26.88±0.37	0.40±0.55	1.26±0.06
Positive control (CP)	40	♀	5	26.48±0.74	29.40±4.34**	0.88±0.06
		♂	5	27.60±0.70	31.40±3.05**	0.87±0.07
Conclusion	According to the "Technical Standard for Disinfection"(2002) 2.3.8.4 Mice bone marrow micronucleus test, the sample did not cause the increase of micronucleus in polychromatic erythrocytes of KM mice, which met the Technical Standard for Disinfection"(2002).					

Note: The frequency of MNPCE (%) and PCE/NCE is calculated separately for each animal, and expressed as the mean±standard deviation per group. \*\*means Statistical significance from the negative control (P<0.01).

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

## Statement

1. This report is issued by CAS Testing Technical Services(GuangZhou) Co., Ltd.(hereinafter referred to as “Our Company”).
2. This report is invalid if not affixed with authorized stamp of test and paging seal.
3. This report is invalid without signature of verifier and approver.
4. This report is invalid if being supplemented, deleted or altered.
5. Without written permission of our Company, this report can not be reproduced in part (except in whole).
6. The result(s) shown in this report refer only to the sample(s) tested.
7. Objections to this report must be submitted to our Company within 15 days. Otherwise, it will automatically deem to have accepted this report.
8. The Client shall be responsible for the accuracy, authenticity and completeness of the samples and information submitted for inspection, and the disputes arising therefrom shall be borne by the Client.
9. As any reports is issued as a result of this application for testing services, our Company will strictly keep confidentiality to the Clients. Except where disclosure is required on the basis of laws, regulations, judgments, and rulings (including in accordance with summons, court, or government proceedings).
10. The result(s) or conclusion(s) shown in this report about the description of the characteristics, composition, properties or quality are based on the specific time, methods and applicable criteria. Using different methods and criteria or under different environmental conditions for testing may come to different conclusions.
11. Since our Company’s causes lead to modify the contents of this report, our Company shall reissue this report and bear the modification cost. The Client shall return the original report. Since the Client’s causes lead to modify the contents of this report, the Client need to submit an application form for the change of report to our Company. The Client shall bear the modification cost and return the original report if our Company approves to reissue this report.
12. The English version of this statement is translated from the Chinese one. If there is any disagreement between them, the Chinese version will be the final explanation.

