

TEST REPORT

Test No.28D-BT-761-1

March 21th, 2017

Requested by : PH+Cleanee Inc.

Test sample : JJJee

Test item : Anti-bacterial

Study director : Noritoshi Ri



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Anti-bacterial test

1. Purpose

The test was conducted to estimate the anti-bacterial activity of the sample.

2. Test Sample

JJee

3. Test bacteria

MRSA

JCM8702

4. Test Method

1) Preparation of the cell suspension

MRSA was cultured on nutrient agar (Nissui Co.,Ltd) for 24 hours at 35°C. After incubation, the culture were suspended in normal saline solution and the solution contain 10^8 cells per 1mL.

These dilutions were used as the cell suspension for inoculation.

2) Anti-bacterial test procedures

Transfer 0.1 ml of cell suspensions to the 10 mL of each test solutions and incubated at 25°C. After incubations, the 10-fold dilutions of test solutions were prepared using sterilized normal saline solution. And each dilutions were dispensed to SCDLP plates. And also, the normal saline solution was used as control. The results were calculated from the numbers of colonies of each test plates by appropriate dilution series.

5. Test Results

The results of the anti-bacterial activity test of the sample were shown in table 1.

Table 1. Results of Anti-bacterial Test of JJJee against MRSA.

Test sample	Initial	Viable cell count (cfu /mL)			
		1 minutes	15minutes	30minutes	60minutes
JJJee	4.3×10^6	5.2×10^6 (0%)	2.8×10^6 (28.2%)	7.7×10^5 (82.9%)	2.5×10^4 (99.5%)
Control	4.3×10^6	5.2×10^6	3.9×10^6	4.5×10^6	5.1×10^6

Normal saline solution was used as control.