

Test Report

Test Method : KS M ISO 22196:2011

Report No. : KAAAM220810-003

Request No. : KATRM220722-0686

Location of Test : A-219, 220, 140, Tongil-ro, Goyang-si, Gyeonggi-do, Republic of Korea

■ Permanent Testing Lab □ On site Testing

Company : KP tech

Date of Test : Jul. 25, 2022 ~ Aug. 10, 2022

Address : 37 simigok-ro, Idong-eup, Cheoin-gu, Yongin-si Gyeonggi-do(17130) South Korea

Purpose of use : Quality control

Submit to : -

Test Items : BELITAPET-1(Anti-bacteria)

- Test Result

Test Organism	Test Result (Unit)	Control	Sample
<i>Staphylococcus aureus</i> ATCC 6538	After 24 hr (CFU/cm ²) Antibacterial activity (log)	6.4 X 10 ³ -	< 0.63 4.0
<i>Escherichia coli</i> ATCC 8739	After 24 hr (CFU/cm ²) Antibacterial activity (log)	2.7 X 10 ⁵ -	1.5 X 10 ² 3.2

Sample info. : #Material - Plastic Size - (50 X 50) mm
Covering film : Sterilized PP film Size - (40 X 40) mm
Test condition : Reaction time & temperature- 24 hr, (30 ± 2) °C
 Control - Sterilized PP film

Evaluation Antibacterial activity(log) = logC_t - logS_t
 C_t = CFU of control after the specified contact time, S_t = CFU of sample after the specified contact time)
 Antibacterial activity 1.0 : 90.0% reduction Antibacterial activity 2.0 : 99.0% reduction
 Antibacterial activity 3.0 : 99.9% reduction Antibacterial activity 4.0 : 99.99% reduction
 Antibacterial activity 5.0 : 99.999% reduction

: The data was provided by the client

- Remarks**
1. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This laboratory is not accredited for the test results marked.
 2. This report is valid only for the purpose of use and cannot be used as a basis for product promotion, marketing, or legal judgment.
 3. For confirmation of the authenticity of the test report, please contact 82-2-6380-1855.

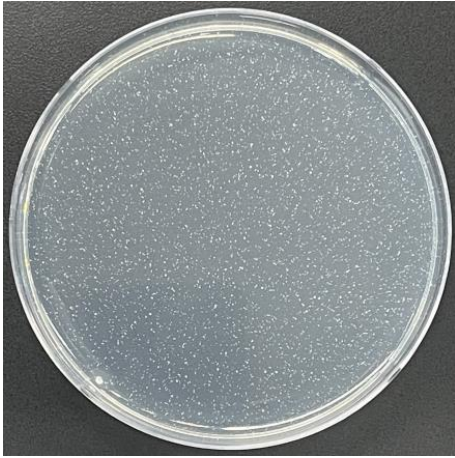
August 10, 2022

Korea Analysis Test Researcher



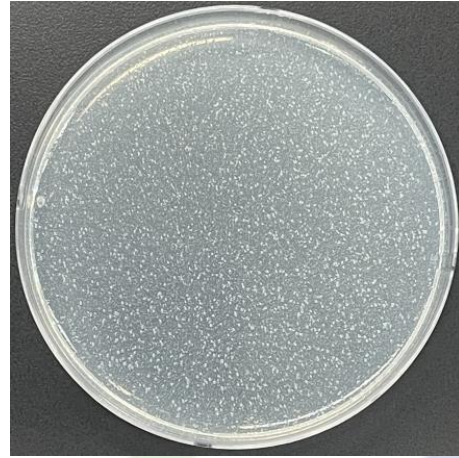
- Result Picture

ATCC 6538

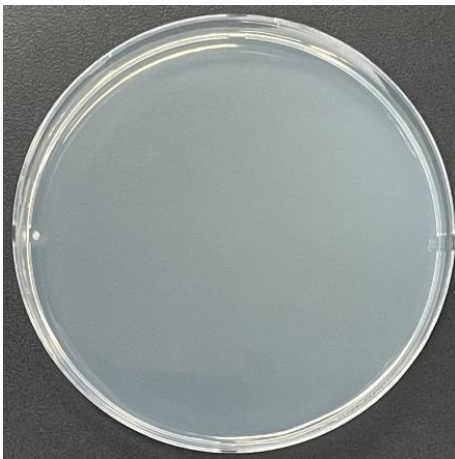


< Control >

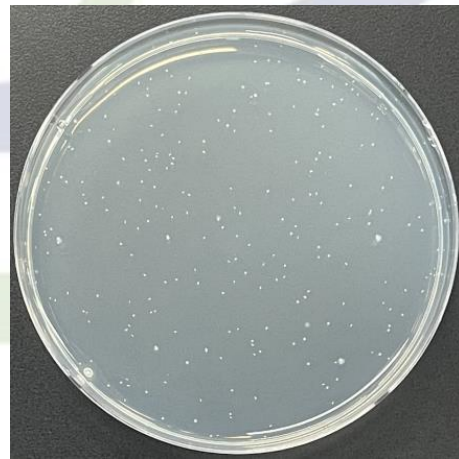
ATCC 8739



< Control >



< Sample >



< Sample >

- Sample Picture



< BELITAPET-1 (Anti-bacteria) >

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