

KSTR

한국표준시험연구원

Korea Standard Test Researcher

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TEST REPORT

Company : DONGWON INDUSTRY CO. Request date : 2024. 02. 01

Sample name : 30GDD Series Issue date : 2024. 02. 29

Test method	Test item	Sample	Result
ASTM E 2180-18	Antimicrobial test (S.aureus)	Control (Immediately inoculum CFU/mL)	1.0×10^6
ASTM E 2180-18	Antimicrobial test (S.aureus)	Control (After testing CFU/mL)	1.2×10^7
ASTM E 2180-18	Antimicrobial test (S.aureus)	30GDD Series (After testing CFU/mL)	0
ASTM E 2180-18	Antimicrobial test (S.aureus)	30GDD Series (Reduction rate(%))	99.99
ASTM E 2180-18	Antimicrobial test (K.pneumoniae)	Control (Immediately inoculum CFU/mL)	1.3×10^6
ASTM E 2180-18	Antimicrobial test (K.pneumoniae)	Control (After testing CFU/mL)	8.6×10^7
ASTM E 2180-18	Antimicrobial test (K.pneumoniae)	30GDD Series (After testing CFU/mL)	0
ASTM E 2180-18	Antimicrobial test (K.pneumoniae)	30GDD Series (Reduction rate(%))	99.99

※ Test Species

- ATCC 6538 Staphylococcus aureus
- ATCC 4352 Klebsiella pneumoniae

※ Test time : 24 h

※ Dose of inoculum : 0.5 mL

※ Test condition : 35 °C, Rh

※ Result calculation

Reduction rate(%)=(Number of viable bacteria recovered from the control group - Number of viable bacteria recovered from the sample group) / Number of viable bacteria recovered from the control group ×100

Prepared by Chan-hui Park

Reviewed by Eun-jin Kim

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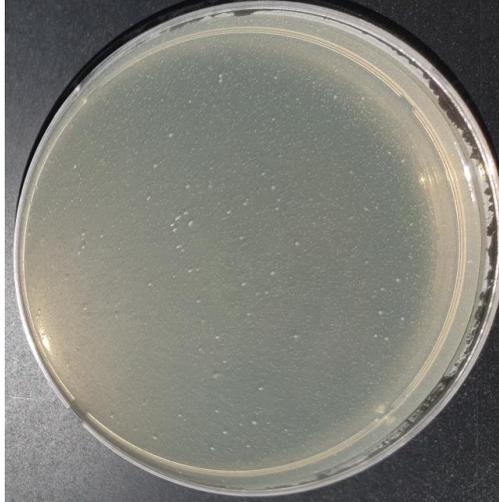
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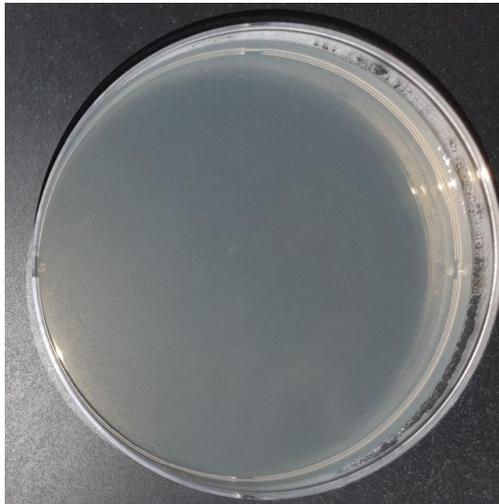
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-Result picture-

ATCC 6538 Staphylococcus aureus



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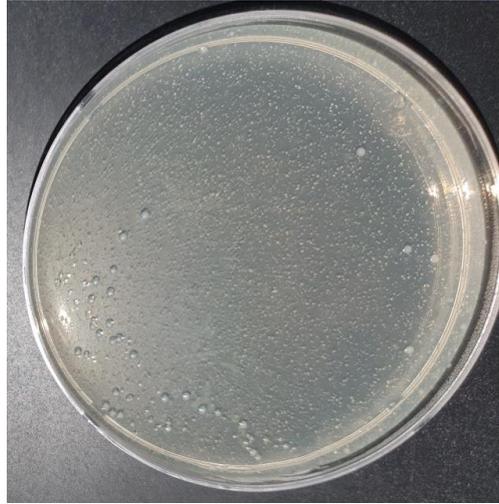
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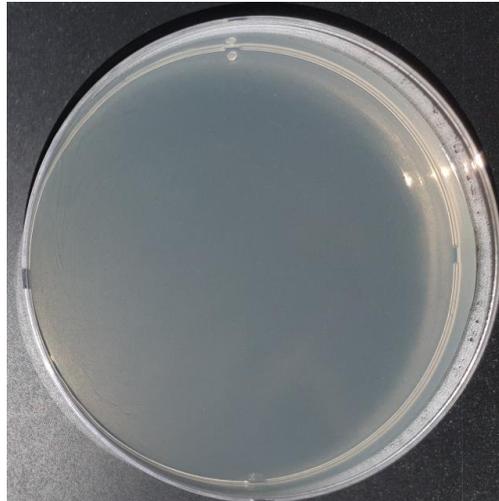
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-Result picture-

ATCC 4352 *Klebsiella pneumoniae*



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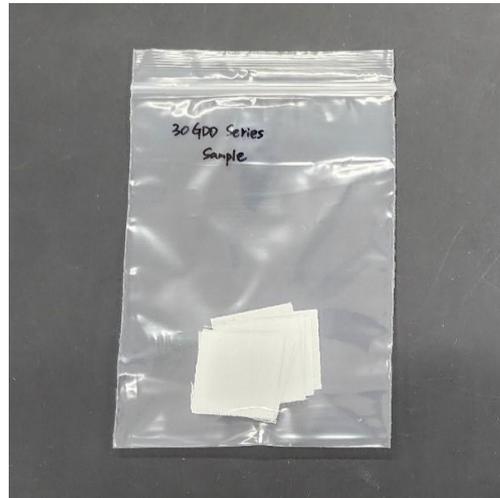


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-Sample picture-



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