

Test report

Request No. : KATRM201215-001	Request date : 2020. 12. 15
Report No. : KAAAM210112-003	Issue date : 2021. 01. 12
Company : Tempus Korea	Purpose of use : Quality control
Address : A3-069, Hyundai Industrial Knowledge Center, 550 Misadae-Ro, Hanam city, Kyunggi-do	
Person : Sang-Kyou, Yang	
Submit company :	
Name of sample : Airfree P-80	

Test item	Test result	
	Control	Sample
Custom solution test		
<i>Staphylococcus aureus</i> Number of detected bacteria (CFU)	5478	<20
ATCC 6538 Bacterial reduction (%)		99.9

※ Test environment: chamber (20 L), 24.1°C, relative humidity 44%

※ Bacterial reduction rate (%) = (Control CFU – Sample CFU) / (Control CFU) X 100 (%)

※ Bacterial preparation: After collecting sand from a river, heat is applied to remove water from the sand. A 250 μm standard sieve was used to separate the dried sand with a particle size of 250 μm or less. Sterilizing the separated sand, and the bacterial solution pre-cultured according to the method of KS K 0693 was added evenly to bacterial concentration becomes 1.0-10.0 X 10⁴ CFU/g. After that, spread 10 g of sand evenly on the bottom of the chamber and install a fan, and the sand carried by wind to floated in chamber.

※ Test method: After connecting the power to the device provided by the company to the chamber, the device was operated under the conditions suggested by the company. After 6 hours of operation, the device was recovered and the number of falling bacteria inside the chamber was measured. Control was the number of falling bacteria detected before starting the device.



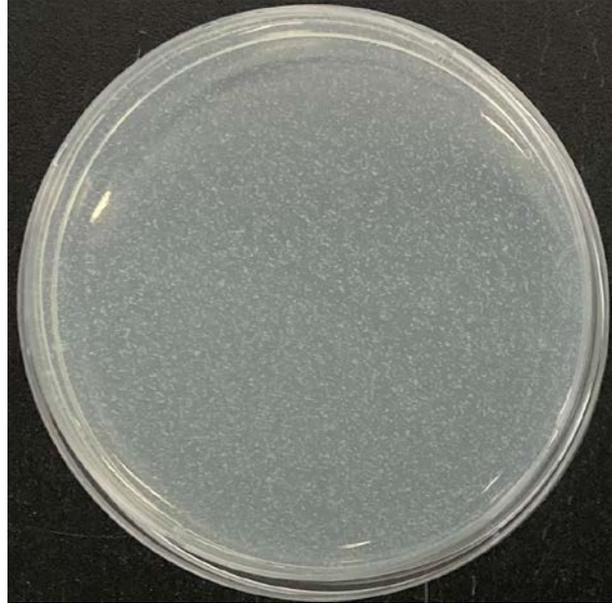
Korea Analysis Test Researcher



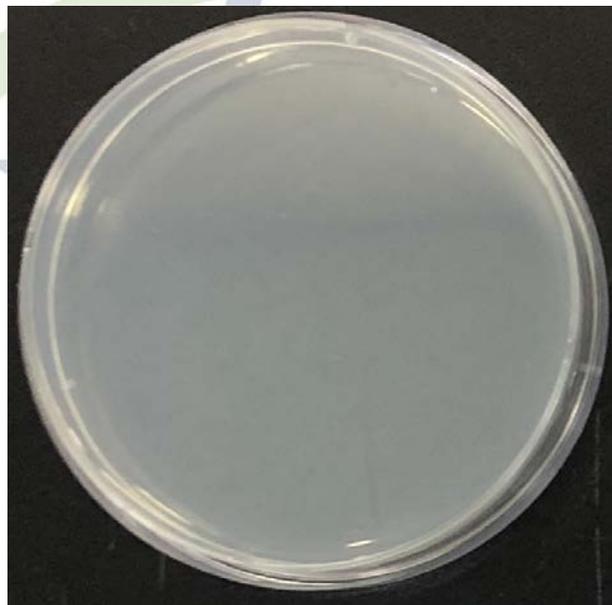
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- Result picture -

ATCC 6538



< Control >



< Sample >

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- Sample picture -



< Airfree P-80 >

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