

Antibacterial Activity Test Report (Simplified Test)

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【1】 Test Sample Warp film

【2】 Test protocol

Test method: JIS Z 2801 test protocol (2012 edition)
Bacterial strain: *Staphylococcus aureus* (NBRC 12732)
 Escherichia coli (NBRC 3972)
Cover film size: PE film (40mm x 40mm)
Inoculating volume: 0.4mL
Pre-treatment: UV10min irradiated
Note: Test performed with a single replicate (N=1)
 Test performed using 1/100NB diluted medium
 Viable count immediately after inoculation performed using a PE film

【3】 Test results

		Until CFU/cm ²			
		<i>Staphylococcus aureus</i> (NBRC12732)		<i>Escherichia coli</i> (NBRC3972)	
Sample name	Storing time	viable cells	Antibacterial activity rating	viable cells	Antibacterial activity rating
Control	0hour	1.8E4		1.2E4	
	24hours	7.6E5		9.3E6	
Blank PE wrap film		4.7E4		5.3E5	
AM PE wrap film		ND	A	ND	A

The "E" included in the tables indicates "exponent", e.g. E5 = 1 to 9 ×10⁵
ND : not detected

【4】 Antibacterial activity criteria

- A: Clearly antimicrobial activity compared with the un-treated sample.
(More than 3 digits difference compared with the un-treated sample)
B: High potential antimicrobial activity compared with the un-treated sample.
(Two digits difference between un-treated and treated samples)
C: Non antimicrobial activity compared to the un-treated sample.
(Less than single digit difference between un-treated and treated samples)
-: Assessment not possible
(Un-treated sample viable count less than E2 or, when un-treated sample not available)

End report