



# TEST REPORT

1. NO : CT17-119308
2. Client
  - Name : HamiltonBunl/Primetech
  - Address : 80 Little Falls Road, Fairfield NJ 07004
3. Date of Test : 2017.11.02 ~ 2017.11.22
4. Use of Report : Quality Control
5. Test Sample : Vray
6. Test Method
  - (1) Client's requirement method

Reissuance(R1)
Date : 2017.11.22

Affirmation	Tested By	<b>JKS</b>	Technical Manager	
	Name : Kye Seung Chang		Name : Sang Bok Bae	
Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the qualities of the lot from which the sample was taken or of apparently identical or similar products.				

2017.11.22

Korea Conformity Laboratories President Kyung Sik Kim

Address : #805, 1' VALLEY Gunpo, 149, Gongdan-ro, Gunpo-si, Gyeonggi-do, 15845, Korea 82-31-389-9100

Result Inquiry : The Center of Green Complex Technologies 82-31-389-9184

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## 7. Test Results

Test Items		Test method	Test Results			Testing Environment
			Early Conc. (CFU/mL)	After 5 sec Conc. (CFU/mL)	Reduction rate of bacteria(%)	
Antibacterial test for <i>Escherichia coli</i>	BLANK	Client's requirement method	$1.0 \times 10^4$	$1.0 \times 10^4$	-	(37.0 ± 0.2) °C
	Vray		$1.0 \times 10^4$	< 10	99.9	
Antibacterial test for <i>Pseudomonas aeruginosa</i>	BLANK		$1.3 \times 10^4$	$1.3 \times 10^4$	-	
	Vray		$1.3 \times 10^4$	< 10	99.9	
Antibacterial test for <i>Staphylococcus aureus</i>	BLANK		$1.0 \times 10^4$	$1.0 \times 10^4$	-	
	Vray		$1.0 \times 10^4$	< 10	99.9	

※ CFU : Colony Forming Unit

※ Test strain : *Escherichia coli* ATCC 25922  
*Pseudomonas aeruginosa* ATCC 15442  
*Staphylococcus aureus* ATCC 6538

※ Sample : Vray

※ Client's requirement method

- Test time : 5 seconds
- Distance between of the medium inoculated with the strain and lamp into the sample : 5 cm

※ Inoculum preparation, Inoculation method, Assessment of Results : KCL-FIR-1002:2011 Mod.

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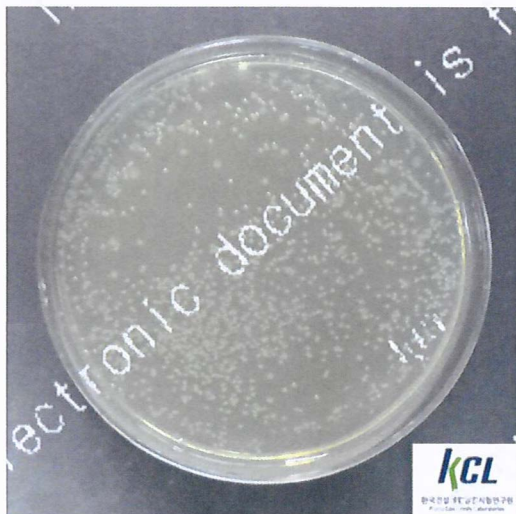
<Picture 1. *Escherichia coli* - BLANk (0 h)>



<Picture 2. *Escherichia coli* - Vray (5 sec)>

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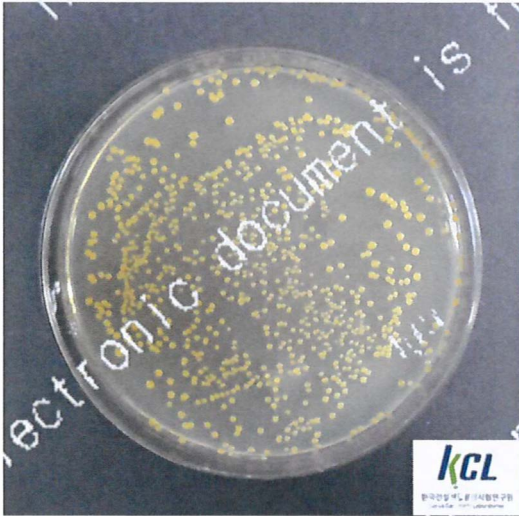
<Picture 3. *Pseudomonas aeruginosa* - ELANK (0 h)>



<Picture 4. *Pseudomonas aeruginosa* - Vray (5 sec)>

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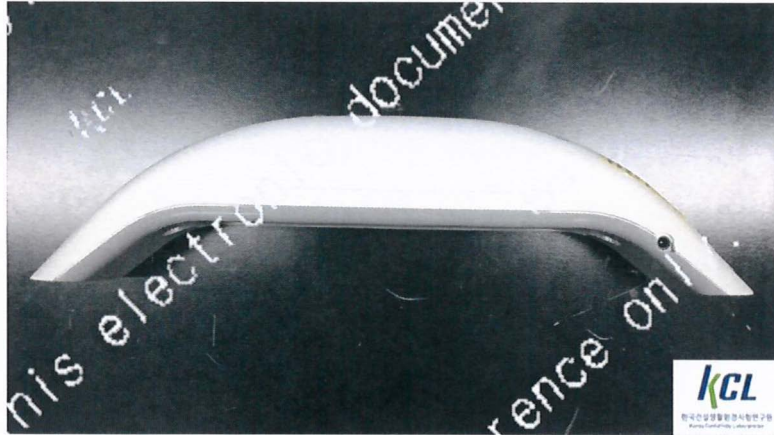
<Picture 5. *Staphylococcus aureus* - BLANK (0 h)>



<Picture 6. *Staphylococcus aureus* - Vray (5 sec)>

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<Picture 7. Sample [vray]>

----- End of Report -----