



## Korea Analysis Test Researcher (KATR)

Tongil-ro 140, A-336 (Samsung Techno Valley, Goyang City, Gyeonggi-do)  
Tel : 1670 - 9936 | Fax : 02 - 6016 - 9711 | Email : katr@katr.re.kr

# Test report

Request No. : KATRM200117-003 Request date : 2020. 01. 17  
Report No. : KAAAM200206-001 Issue date : 2020. 02. 06  
Company : essGee Hitec Co.,Ltd Purpose of use : Quality control  
Address : Rm.815, Gasan TheSkyValley 1<sup>st</sup>, 142 Gasan digital-ro, Geumcheon-ku, Seoul, Korea  
Person : Suh Jung joo  
Submit company : ROA International Co.,Ltd  
Name of sample : UV Sterilizer

Test item	Test result		
	Control	5 sec	10 sec
Custom solution test			
<i>Escherichia coli</i> ATCC 8739 (대장균)	No. of bacteria after test (CFU) Bacteria reduction rate (%)	2.1 X 10 <sup>3</sup> 81.9	7.3 X 10 <sup>0</sup> 99.7

※ Sample type: ABS, Acetaal, etc

※ Test method: After spreading the diluted solution which prepared with reference to JIS Z 2801 to 1.0-10.0 X 10<sup>5</sup> CFU/mL on a 40 X 40 mm PP film. The spreaded side was fixed to face the UV LED at 1 cm intervals, and the instrument was operated. Control was left for 10 seconds without running the machine under the same conditions. The CFU of the control and sample was counted and the bacteria reduction rate was calculated and indicated.

※ Bacteria reduction rate (%) = [(CFU of control) - (CFU of sample)] / (CFU of control) X 100 (%)

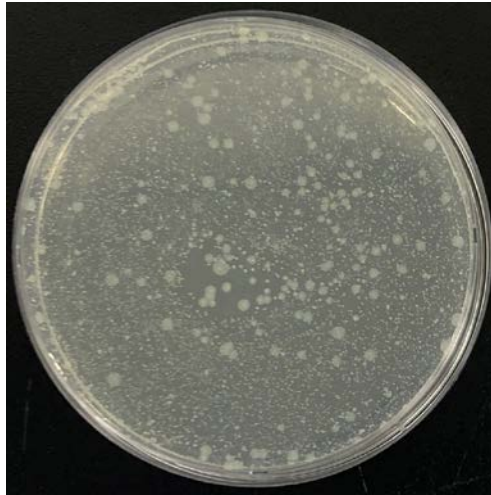
**Korea Analysis Test Researcher**



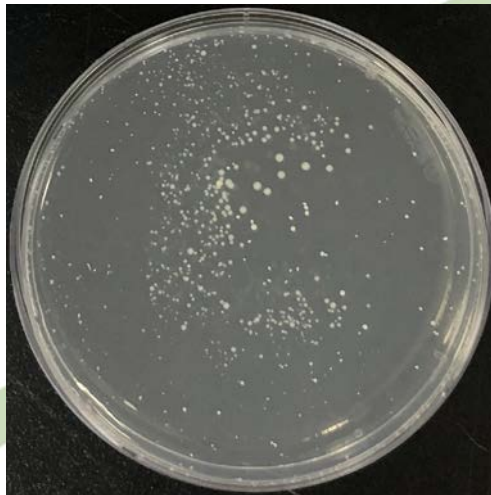
Remark: 1. This report is the result of test conducted by company's samples only. It does not guarantee the quality of all products.  
2. This report cannot be used for advertisement, campaign, and legal purpose without KATR's permission. Do not use for any other purposes.

- Result picture -

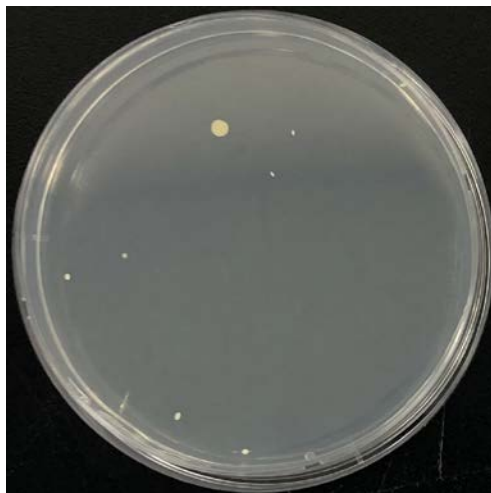
ATCC 8739



< Control >



< After 5 seconds >



< After 10 seconds >

Remark: 1. This report is the result of test conducted by company's samples only. It does not guarantee the quality of all products.  
2. This report cannot be used for advertisement, campaign, and legal purpose without KATR's permission. Do not use for any other purposes.

- 시료 사진 -



< UV sterilizer >



Remark: 1. This report is the result of test conducted by company's samples only. It does not guarantee the quality of all products.  
2. This report cannot be used for advertisement, campaign, and legal purpose without KATR's permission. Do not use for any other purposes.