



TEST REPORT

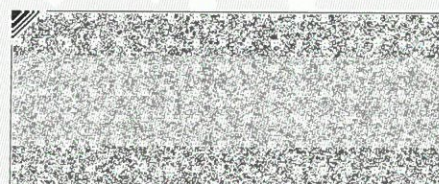
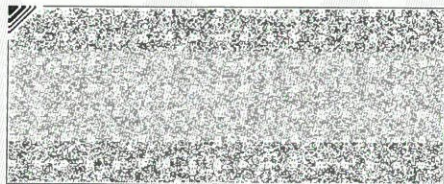
1. NO : CT20-025935E
2. Client
 - Name : NON Corp.
 - Address : No.226~227 Hanshin S-Meca, 65 Techno 3-ro, Yuseong-gu, Daejeon, Korea
3. Date of Test : 2020.02.25 ~ 2020.04.13
4. Use of Report : Quality Control
5. Test Sample : Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)
6. Test Method
 - (1) Client's requirement method

Affirmation	Tested By Name : Lee, Jung Min <i>Jungmin.lee</i>	Technical Manager Name : Kye Seung Chang <i>JKS</i>
This report is not accredited by KOLAS. 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 lot from which the sample was taken or of apparently identical or similar products. The results of using only a portion of this report cannot be guaranteed. The authenticity of this test report can be checked on KCL website(www.kcl.re.kr).		

2020.04.13

Korea Conformity Laboratories President Yoon, Kap Seok *Yoon, Kap Seok*

Result Inquiry : unit108, Industry-Academic Cooperation Foundation, Hankyong National University, 327, Jungang-ro, Anseong-si, Gyeonggi-do, 17579, Korea (82-31-389-9186)



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7. Test Results

Test Items		Test method	Test Results			Testing Environment
			Before operating Conc.(CFU/㎥)	After operating Conc.(CFU/㎥)	Reduction rate (%)	
Reduction test for Airborne microbes (<i>Escherichia coli</i>)	Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)	Client's requirement method	1.7×10^4	< 10	99.9	(23.0 ± 0.2) °C (50.5 ± 2.0) % RH

※ CFU : Colony Forming Unit

※ Test strain : *Escherichia coli* ATCC 25922

※ Chamber size : 8 ㎥

※ Measurement equipment : MAS-100 NT (MERCK, Flow rate : 100 L/min)

※ Sample : Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)

※ Operating time : 3 hours

※ Result concentration : Feller Conversion Table application

※ Client's requirement method : ISO 16000-36:2018 (But, operating time : 3 hours)

※ Location : unit108, Industry-Academic Cooperation Foundation, Hankyong National University, 327, Jungang-ro, Anseong-si, Gyeonggi-do, 17579, Korea



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



<Picture 2. *Escherichia coli* - Dr.Clo (Household, Toilet, Refrigerator, Car, Pets) (3 h)>



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7. Test Results

Test Items		Test method	Test Results			Testing Environment
			Before operating Conc.(CFU/㎡)	After operating Conc.(CFU/㎡)	Reduction rate (%)	
Reduction test for Airborne microbes (<i>Pseudomonas aeruginosa</i>)	Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)	Client's requirement method	2.2×10^4	< 10	99.9	(23.0 ± 0.2) °C (50.5 ± 2.0) % RH

※ CFU : Colony Forming Unit

※ Test strain : *Pseudomonas aeruginosa* ATCC 15442

※ Chamber size : 8 ㎡

※ Measurement equipment : MAS-100 NT (MERCK, Flow rate : 100 L/min)

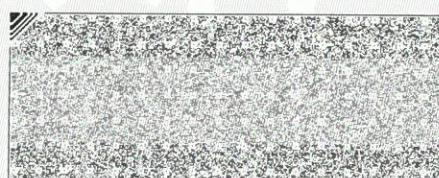
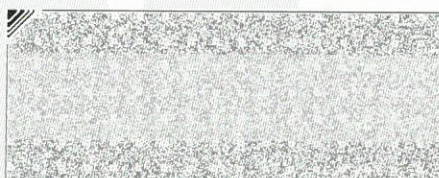
※ Sample : Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)

※ Operating time : 3 hours

※ Result concentration : Feller Conversion Table application

※ Client's requirement method : ISO 16000-36:2018 (But, operating time : 3 hours)

※ Location : unit108, Industry-Academic Cooperation Foundation, Hankyong National University, 327, Jungang-ro, Anseong-si, Gyeonggi-do, 17579, Korea

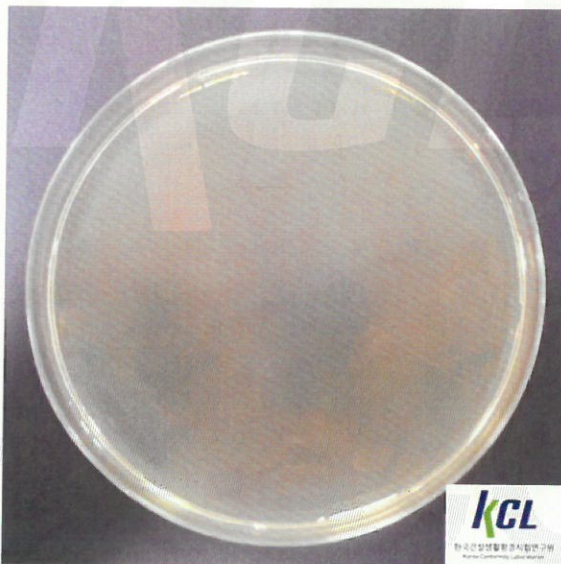


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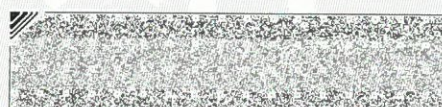
No : CT20-025936E



<Picture 1. *Pseudomonas aeruginosa* - BLANK (0 h)>



<Picture 2. *Pseudomonas aeruginosa* - Dr.Clo (Household, Toilet, Refrigerator, Car, Pets) (3 h)>



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7. Test Results

Test Items		Test method	Test Results			Testing Environment
			Before operating Conc.(CFU/㎡)	After operating Conc.(CFU/㎡)	Reduction rate (%)	
Reduction test for Airborne microbes (<i>Staphylococcus aureus</i>)	Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)	Client's requirement method	2.3×10^4	< 10	99.9	(23.0 ± 0.2) °C (50.5 ± 2.0) %RH

※ CFU : Colony Forming Unit

※ Test strain : *Staphylococcus aureus* ATCC 6538

※ Chamber size : 8 ㎡

※ Measurement equipment : MAS-100 NT (MERCK, Flow rate : 100 L/min)

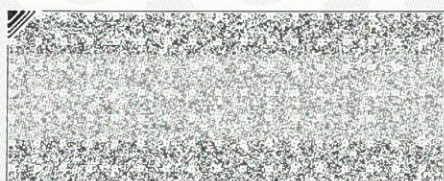
※ Sample : Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)

※ Operating time : 3 hours

※ Result concentration : Feller Conversion Table application

※ Client's requirement method : ISO 16000-36:2018 (But, operating time : 3 hours)

※ Location : unit108, Industry-Academic Cooperation Foundation, Hankyong National University, 327, Jungang-ro, Anseong-si, Gyeonggi-do, 17579, Korea



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<Picture 1. *Staphylococcus aureus* - BLANK (0 h)>



<Picture 2. *Staphylococcus aureus* - Dr.Clo (Household, Toilet, Refrigerator, Car, Pets) (3 h)>

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No : CT20-025938E

7. Test Results

Test Items		Test method	Test Results			Testing Environment
			Before operating Conc.(CFU/㎥)	After operating Conc.(CFU/㎥)	Reduction rate (%)	
Reduction test for Airborne microbes (<i>Klebsiella pneumoniae</i>)	Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)	Client's requirement method	2.4×10^4	< 10	99.9	(23.0 ± 0.2) °C (50.5 ± 2.0) % RH

※ CFU : Colony Forming Unit

※ Test strain : *Klebsiella pneumoniae* ATCC 4352

※ Chamber size : 8 ㎥

※ Measurement equipment : MAS-100 NT (MERCK, Flow rate : 100 L/min)

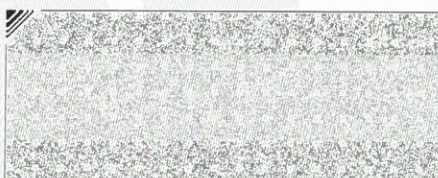
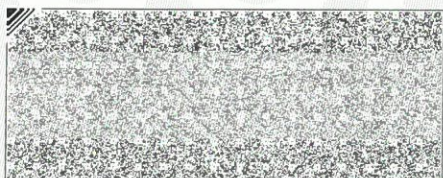
※ Sample : Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)

※ Operating time : 3 hours

※ Result concentration : Feller Conversion Table application

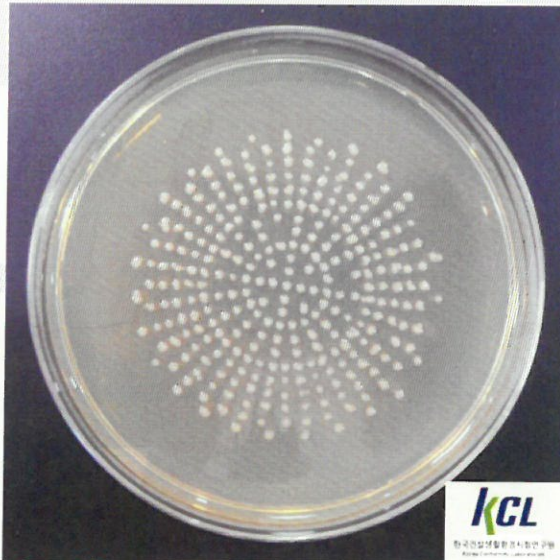
※ Client's requirement method : ISO 16000-36:2018 (But, operating time : 3 hours)

※ Location : unit108, Industry-Academic Cooperation Foundation, Hankyong National University, 327, Jungang-ro, Anseong-si, Gyeonggi-do, 17579, Korea



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<Picture 1. *Klebsiella pneumoniae* - BLANK (0 h)>



<Picture 2. *Klebsiella pneumoniae* - Dr.Clo (Household, Toilet, Refrigerator, Car, Pets) (3 h)>



TEST REPORT

No : CT20-025939E

7. Test Results

Test Items		Test method	Test Results			Testing Environment
			Before operating Conc.(CFU/㎡)	After operating Conc.(CFU/㎡)	Reduction rate (%)	
Reduction test for Airborne microbes (MRSA)	Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)	Client's requirement method	2.2×10^4	< 10	99.9	(23.0 ± 0.2) °C (50.5 ± 2.0) % RH

※ CFU : Colony Forming Unit

※ Test strain : MRSA(*Staphylococcus aureus subsp. aureus*) ATCC 33591

※ Chamber size : 8 ㎡

※ Measurement equipment : MAS-100 NT (MERCK, Flow rate : 100 L/min)

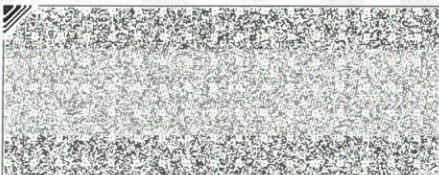
※ Sample : Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)

※ Operating time : 3 hours

※ Result concentration : Feller Conversion Table application

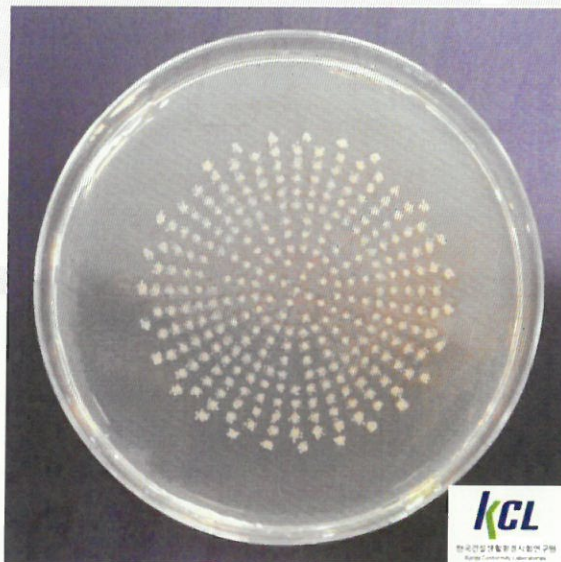
※ Client's requirement method : ISO 16000-36:2018 (But, operating time : 3 hours)

※ Location : unit108, Industry-Academic Cooperation Foundation, Hankyong National University, 327, Jungang-ro, Anseong-si, Gyeonggi-do, 17579, Korea

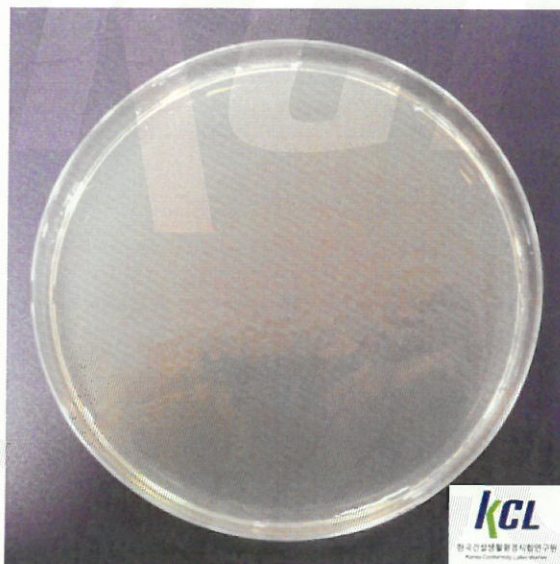


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<Picture 1. MRSA - BLANK (0 h)>



<Picture 2. MRSA - Dr.Clo (Household, Toilet, Refrigerator, Car, Pets) (3 h)>



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<Picture 3. Sample [Dr.Clo (Household, Toilet, Refrigerator, Car, Pets)]>

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

