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TEST REPORT

3 February 2022

Sample Information

Sample name	Argentum Plus 7
Sample reception	16/03/2021
Sample no.	392-2021-00132602
Analysis period	17/03/2021 - 13/04/2021

Results

Please see enclosure with detailed results for the following tests on the supplied product:

1. Determination of antibacterial activity:
 - ISO 22196 *Measurement of antibacterial activity on plastics and other non-porous surfaces.*
2. Determination of antiviral activity:
 - ISO 21702:2019 *Measurement of antiviral activity on plastics and other non-porous surfaces.*
 - EN 14476:2013+A2:2019 *Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of virucidal activity in the medical area – Test method and requirements (phase 2/Step 1)*
3. Expert Statement for use of BCoV as coronavirus model

Eurofins Product Testing A/S



Jeanette K. Pedersen
Analytical Service Manager

Version History

Report date	Report number	Modification
03/02/2022	392-2021-00132602_FP_EN_Rev1	Current version Product name updated from "Paint 7" to "Argentum Plus 7". Expert Statement added.
04/05/2021	392-2021-00132602_FP_EN	This version is no longer valid.

The results are only valid for the tested sample(s).

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Vimodrone, March 01st 2022

To Tikkurila Oyj
Kuninkaalantie 1
FI-010301 Vantaa
Finland

Object: expert statement about the use of *Bovine coronavirus* strain S379 Riems as surrogate virus for SARS-CoV-2 pandemic virus in study STULV21AA1529-1 on Sponsor's product performed in Eurofins Biolab Srl test facility according to protocol ISO 21702:2019 (Measurement of antiviral activity on plastics and other non-porous surfaces).

The virus inactivating properties of a paint product were tested and the results described in the test report STULV21AA1529-1. The antiviral efficacy of the paint was tested using Bovine Coronavirus strain S379 Riems (BCoV) as a test virus, a coronavirus widely used in virucidal tests (ref. 1). BCoV was used as a surrogate virus of SARS-CoV-2 – the human coronavirus causing COVID-19 disease – as the latter one is highly infectious to humans and needs a BSL-3 high containment facility in order to reduce the risk of infection for test laboratory scientists. Bovine Coronavirus infects cattle and is not infectious to humans; moreover, it is similar to SARS coronaviruses in structure and genetics as it belongs to the same Betacoronavirus genus. As the product showed virus inactivating properties against bovine coronavirus, it can be assumed that it also has the same level of activity against a similar human coronavirus.

Ref. 1

The Journal of Infectious Diseases® 2017;215:902–6. *Virucidal Activity of World Health Organization–Recommended Formulations Against Enveloped Viruses, Including Zika, Ebola, and Emerging Coronaviruses.* Anindya Siddharta, Stephanie Pfaender, Nathalie Jane Vielle, Ronald Dijkman, Martina Friesland, Britta Becker, Jaewon Yang, Michael Engelmann, Daniel Todt, Marc P. Windisch, Florian H. Brill, Joerg Steinmann, Jochen Steinmann, Stephan Becker, Marco P. Alves, Thomas Pietschmann, Markus Eickmann, Volker Thiel and Eike Steinmann,

Sincerely,

Michele Cavalleri
SME and GLP/ISO17025 test facility manager
Eurofins Biolab Srl

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The addenda, if present, must be considered as part of the test report; the end of the report corresponds to the last page of the last addendum.
The test results relate only to the tested items. Sampling, except specific indication on test report, is always intended to be made by the Sponsor. Information provided by the Sponsor are under Sponsor responsibility.*

SPONSOR	Tikkurila Oyj Kuninkaalantie 1 FI-010301 Vantaa Finland		
STUDY MONITOR	Eurofins Product Testing Denmark A/S Smedeskovvej 38 8464 Galten Denmark		
TEST METHOD	ISO 22196 - Measurement of antibacterial activity on plastics and other non-porous surfaces		
TEST ITEM			
MATRIX OF THE PRODUCT	Biocide and Antimicrobials.		
PRODUCT NAME	PAINT 7		
BATCH	21LLI01		
CODE	FIVARKR21LLI02_SG4_7, R01, version 1		
MANUFACTURING DATE	9/3/21	EXPIRY DATE	9/3/23
COMPOSITION	Glass, oxide, silver phosphate (CAS 308069-39-8) 0,30 w-%, Sodium pyrithione (NaPt, 0,022 w-%, CAS 3811-73-2). IPBC 0,05 w-% (CAS 55406-53-6), BIT 0,025 w-% (CAS 2634-33-5), ZnO (CAS 1314-13-2) 0,028 w-%		
MATERIAL ITEM ALIQUOT	LV-MAT-FOV7-078-0H27:a		
TEST REFERENCE (UNTREATED)			
PRODUCT NAME	BLANK		
MATERIAL ITEM ALIQUOT	LV-MAT-FOV7-078-0H28:a		
PARCEL REGISTRATION N.	IP-LV-2021077-AHV	RECEIVING DATE	18-Mar-2021
ANALYSIS STARTING DATE	23-Mar-2021	ANALYSIS ENDING DATE	29-Mar-2021
EXPERIMENTAL CONDITIONS			
TEST STRAINS	<i>Staphylococcus aureus</i> <i>Escherichia coli</i>	ATCC 6538P ATCC 8739	
CONTACT TIME	24 hours	INOCULUM VOLUME	0,4 ml
SPECIMENS SIZE	25 cm ²	COVER FILM SIZE	1600 mm ²
REAGENTS	The validity of media and reagents have been verified according to Internal procedure. - Suspension medium: 1/500 nutrient broth Nutrient Broth (NB) Water for Injection (WFI) - Tryptic Soy Sgar (TSA) - Neutralizer CEN (NEU CEN) - Phosphate-buffered physiological saline (PBSS)		
EQUIPMENT	The validity of instruments and equipment has been assured by internal. Standard microbiology laboratory equipment has been used: - Laminar flow filtered work area - Spectrophotometer - Water bath - Micropipettes - Climate Chamber 35±1°C, RH>90%		

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MATERIALS	Cover film, that is 0,05-0,10 mm thick as recommended, that does not affect bacterial growth, made of polyethylene or polypropylene has been used.
ASSAY	<p>Three specimens of 5.0 × 5.0 cm square samples for each of the treated specimens provided by Sponsor and of Negative control (provided by Eurofins Biolab S.r.l.) have been prepared for each strain and time point tested (t0 and 24hours).</p> <p>Separately for each test strain, 0,4 ml of standardized culture at 2,5-10×10⁵ cells/ml has been added to the specimen then the inoculum has been covered and gently press down with a 40x40 mm film so that the test inoculum spreads to, but does not leak beyond, the edges of the film.</p> <p>The specimens inoculated have been incubated at 35±1°C, 90% RH.</p> <p>At t0 and after the specified contact time, viable microorganisms have been enumerated by pour plate method on TSA at 35±1°C for 24±4 hours; then bacterial colonies from each dilution series have been counted and recorded and the Logarithmic reduction of bacteria from Treated versus Negative Control samples at specified contact time has been calculated.</p>
CALCULATION	<p>Number of colonies recorded in plates containing 30 to 300 colonies has been used for calculation.</p> <p>If the number of colonies in plates containing the 1 ml aliquots of undiluted recovered from specimen is <30, this number is used. When there are no colonies recovered in any plates the number of colonies is considered as "<1".</p> <p>For each test specimen, the number of viable bacteria recovered has been calculated according with following equation:</p> $N = (100 \times C \times D \times V)/A$ <p>where</p> <p><i>N</i> is the number of viable bacteria recovered per cm² per test specimen; <i>C</i> is the average plate count for the duplicate plates; <i>D</i> is the dilution factor for the plates counted; <i>V</i> is the volume, in ml, added to the specimen; <i>A</i> is the surface area, in mm², of the cover film.</p> <p>The geometric mean of the number of viable bacteria recovered for each set of test specimens has been calculated and this value expressed to two significant figures.</p>
ASSAY VALIDITY CRITERIA	<p>When the three conditions are satisfied, the test is deemed valid. If any of these conditions are not met, the test is not considered valid and the specimens shall be retested.</p> <p>1) The logarithmic value of the number of viable bacteria recovered immediately after inoculation from the untreated test specimens shall satisfy the following requirement:</p> $(L_{max} - L_{min})/(L_{mean}) \leq 0,2$ <p>where</p> <ul style="list-style-type: none"> - <i>L</i>_{max} is the Log of the maximum number of viable bacteria found on a specimen; - <i>L</i>_{min} is the Log of the minimum number of viable bacteria found on a specimen; - <i>L</i>_{mean} is the Log of the mean number of viable bacteria found on the specimens. <p>2) The average number of viable bacteria recovered immediately after inoculation from the untreated test specimens shall be within the range 6,2×10³ cells/cm² to 2,5×10⁴ cells/cm².</p> <p>3) The number of viable bacteria recovered from each untreated test specimen at 24 h shall not be less than 6,2×10¹ cells/cm².</p>
ANTIBACTERIAL EFFECTIVENESS	The value of the antibacterial activity can be used to characterize the effectiveness of an antibacterial agent. According to ISO 22196:2011, the antibacterial-activity values used to define the effectiveness shall be agreed upon by all interested parties.

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CALCULATION OF THE ANTIBACTERIAL ACTIVITY	<p>When the test is deemed valid, the antibacterial activity is calculated using following formula:</p> $R = (U_t - U_0) - (A_t - U_0) = U_t - A_t$ <p>Where: R is the antibacterial activity; U₀ is the average of the Log cells/cm², recovered from untreated test specimens at t₀; U_t is the average of the Log cells/cm², recovered from untreated test specimens after 24 h; A_t is the average of the Log cells/cm², recovered from treated test specimens after 24 h.</p>																																																					
RESULTS	<p>Assay Validity Criteria were satisfied. The number of viable bacteria in the test inoculum and average number of viable bacteria recovered from each specimen (expressed as cfu/cm²) and the values of U₀, U_t and A_t, and the antibacterial activity calculated are reported:</p> <p>Number of viable bacteria in the test inoculum</p> <table border="1" data-bbox="472 792 1461 1037"> <thead> <tr> <th>STRAIN</th> <th>RESULT (cfu/ml)</th> <th>Bacterial concentration Target 2,5×10⁵≤X≤10×10⁵ cfu/ml</th> <th>RESULT (cfu/0,4 ml)</th> </tr> </thead> <tbody> <tr> <td><i>S. aureus</i> ATCC6538P</td> <td>8,30E+05</td> <td>Complies</td> <td>3,30E+05</td> </tr> <tr> <td><i>E. coli</i> ATCC8739</td> <td>7,90E+05</td> <td>Complies</td> <td>3,20E+05</td> </tr> </tbody> </table> <p>Average number of viable bacteria recovered from each specimen expressed as cfu/cm² and value of U₀, U_t and A_t calculated</p> <table border="1" data-bbox="472 1111 1461 1473"> <thead> <tr> <th>STRAIN</th> <th>Contact time</th> <th>Specimen</th> <th>Geometric mean (cfu/cm²)</th> <th>Log cfu/cm²</th> </tr> </thead> <tbody> <tr> <td rowspan="3"><i>S. aureus</i> ATCC6538P</td> <td>t₀</td> <td>Untreated (U₀)</td> <td>1,93E+04</td> <td>4,29</td> </tr> <tr> <td rowspan="2">t₂₄</td> <td>Untreated (U_t)</td> <td>2,64E+05</td> <td>5,42</td> </tr> <tr> <td>Treated (A_t)</td> <td><1,00E+00</td> <td><0,00</td> </tr> <tr> <td rowspan="3"><i>E. coli</i> ATCC8739</td> <td>t₀</td> <td>Untreated (U₀)</td> <td>2,18E+04</td> <td>4,34</td> </tr> <tr> <td rowspan="2">t₂₄</td> <td>Untreated (U_t)</td> <td>1,33E+06</td> <td>6,12</td> </tr> <tr> <td>Treated (A_t)</td> <td><1,00E+00</td> <td><0,00</td> </tr> </tbody> </table> <p>Antibacterial activity calculated as Log Reduction and % Reduction</p> <table border="1" data-bbox="472 1518 1461 1738"> <thead> <tr> <th>STRAIN</th> <th>t (h)</th> <th>R Antibacterial Activity</th> <th>% Reduction</th> </tr> </thead> <tbody> <tr> <td><i>S. aureus</i> ATCC6538P</td> <td>24</td> <td>>5,42</td> <td>>99,999</td> </tr> <tr> <td><i>E. coli</i> ATCC8739</td> <td>24</td> <td>>6,12</td> <td>>99,9999</td> </tr> </tbody> </table>	STRAIN	RESULT (cfu/ml)	Bacterial concentration Target 2,5×10 ⁵ ≤X≤10×10 ⁵ cfu/ml	RESULT (cfu/0,4 ml)	<i>S. aureus</i> ATCC6538P	8,30E+05	Complies	3,30E+05	<i>E. coli</i> ATCC8739	7,90E+05	Complies	3,20E+05	STRAIN	Contact time	Specimen	Geometric mean (cfu/cm ²)	Log cfu/cm ²	<i>S. aureus</i> ATCC6538P	t ₀	Untreated (U ₀)	1,93E+04	4,29	t ₂₄	Untreated (U _t)	2,64E+05	5,42	Treated (A _t)	<1,00E+00	<0,00	<i>E. coli</i> ATCC8739	t ₀	Untreated (U ₀)	2,18E+04	4,34	t ₂₄	Untreated (U _t)	1,33E+06	6,12	Treated (A _t)	<1,00E+00	<0,00	STRAIN	t (h)	R Antibacterial Activity	% Reduction	<i>S. aureus</i> ATCC6538P	24	>5,42	>99,999	<i>E. coli</i> ATCC8739	24	>6,12	>99,9999
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CONCLUSIONS	<p>On the basis of the obtained results, in compliance with the assay validity criteria, can be stated that the test items" PAINT 7" tested at 24 hours of contact time, has a antibacterial activity >5 (equivalent to a percentage reduction of viable microorganisms >99.999%) for <i>Staphylococcus aureus</i> ATCC6538P and has a antibacterial activity >6 (equivalent to a percentage reduction of viable microorganisms >99.9999%) for <i>Escherichia coli</i> ATCC8739 in adopted experimental conditions.</p>																																																					
ADDENDA	//																																																					

SPONSOR	TIKKURILA OYJ		
	KUNINKAALANTIE 1 FI-01301		
	VANTAA		
	FINLAND		
MONITOR	EUROFINS PRODUCT TESTING DENMARK A/S		
	SMEDESKOVVEJ 38		
	8464 GALTEN		
	DENMARK		
TEST METHOD	- ISO 21702:2019 - Measurement of antiviral activity on plastics and other non-porous surfaces. - EN14476:2013+A2:2019 – Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of virucidal activity in the medical area - Test method and requirements (Phase 2/Step 1).		
TEST ITEM			
PRODUCT NAME §	Paint 7		
MATRIX OF THE PRODUCT §	Biocide and Antimicrobials		
BATCH N. §	Laboratory batch; 21LLI01	CODE §	FIVARKR21LLI02_SG4_7, R01, version 1
MANUFACTURING DATE §	09-Mar-2021	EXPIRY DATE §	09-Mar-2023
MANUFACTURER §	Tikkurila Oyj		
ACTIVE INGREDIENTS §	Glass, oxide, silver phosphate 0,30 w-%, Sodium pyrithione 0,022 w-%, IPBC 0,05 w-%, BIT 0,025 w-%, ZnO 0,028 w-%		
MATERIAL ITEM ALIQUOT	LV-MAT-FOV7-078-0H29:a		
PARCEL REGISTRATION N.	IP-LV-2021077-AHV	RECEIVING DATE	18-Mar-2021
STORAGE CONDITIONS §	Room temperature (20 ± 5°C)		
REFERENCE ITEM			
PRODUCT NAME §	Blank		
PARCEL REGISTRATIO N.	IP-LV-2021077-AHV	RECEIVING DATE	18-Mar-2021
MATERIAL ITEM ALIQUOT	LV-MAT-FOV7-078-0H30:a		
§ INFORMATION PROVIDED BY THE SPONSOR			
ANALYSIS STARTING DATE	07-Apr-2021	ANALYSIS ENDING DATE	13-Apr-2021

EXPERIMENTAL CONDITIONS			
TEST TEMPERATURE	25°C ± 1°C		
HUMIDITY	90%		
CONTACT TIMES	24 hours		
INACTIVATION OF THE PRODUCT	Iced maintenance medium		
INCUBATION TEMPERATURE	37°C ± 1°C (with 5% CO ₂)		
TEST VIRUSES	<i>Betacoronavirus 1 (Bovine Corona Virus) strain S379 Riems - FLI (RVB-0020)</i>		
CELL LINES	<i>PT cell line - FLI CCLV-RIE 0011</i>		
NOTE	As a low amount of residual virus could be expected with the main test specimen an estimation of residual virus has been performed for these samples also by using the Large Volume Plating-method (LVP) as per EN14476:2013+A2:2019. In this case, the mixture recovered from the three treated test specimens (test item), upon 24 hours of contact time, has been distributed undiluted to 80 wells of a six-wells plate containing PT cells.		
VALIDITY AND EFFICACY CRITERIA	<ul style="list-style-type: none"> ➤ The virus titer recovered immediately after inoculation from the untreated test specimens shall satisfy the requirement of the following Formula: (<i>L</i>_{max} - <i>L</i>_{min}) / (<i>L</i>_{mean}) ≤ 0,2. (<i>L</i>_{max}: Log₁₀ of the maximum TCID₅₀ recovered from a specimen; <i>L</i>_{min}: Log₁₀ of the minimum TCID₅₀ recovered from a specimen; <i>L</i>_{mean}: Log₁₀ of the mean number of TCID₅₀ recovered from the three specimens). ➤ The average amount of virus recovered immediately after inoculation from the untreated test specimens shall be within the range of lg ID₅₀ = 5.40/cm² to lg ID₅₀ = 6.08/ cm². ➤ The amount of virus recovered from each untreated test specimen after contacting for 24 hours shall not be less than lg ID₅₀ = 2.8/cm². ➤ The suppressive efficiency of the agent's activity is to be confirmed: <ul style="list-style-type: none"> - With the three untreated test specimens as well as with the three treated test specimens no cytotoxic effect on the detection is visible; - The virus titer of the negative control is not different from the virus titer of the untreated test specimens or the treated test specimens. <p>Check of viral inactivation</p> <p>The judgement of the virucidal efficacy as well as the assessment of the validity of the test run will be conducted according to the acceptance criteria of the ISO 21702:2019. The antiviral activity of the tested specimen will be reported as logarithmic reduction and as percentage.</p> <p>The value of the antiviral activity can be used to characterize the effectiveness of an antiviral agent. According to ISO 21702:2019, the antiviral-activity values used to define the effectiveness shall be agreed upon by all interested parties.</p>		
RESULTS	Reduction Factor after the contact times (Log and %) obtained with the Spearman-Kärber Method		
	24 hours		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><i>Betacoronavirus 1 (BCoV) strain S379 Riems</i></td> <td style="width: 35%; text-align: center;">2.33 ± 0.080</td> <td style="width: 35%; text-align: center;">99.53%</td> </tr> </table>	<i>Betacoronavirus 1 (BCoV) strain S379 Riems</i>	2.33 ± 0.080
<i>Betacoronavirus 1 (BCoV) strain S379 Riems</i>	2.33 ± 0.080	99.53%	
See Addendum N.1			
CONCLUSIONS	CAUSES A REDUCTION in the virus titre of <i>Bovine Coronavirus (bCoV) strain S379 Riems</i> equal to 2.33 ± 0.080 (99.53%) with the Spearman-Kärber Method.		

	With the LVP method, all wells of the plate showed a positive result (virus detection) and no result is possible according to the Reference Standard.
ADDENDUM	N. 1: RAW DATA ELABORATION (12 PAGES)

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	Measurement of antiviral activity on plastics and other non-porous surfaces	EDR: 1-P-QM-TEM-9095730
	Norma (Standard): ISO 21702:2019	

Data inizio (Started on): 07/04/21 Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1 ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
LV-MAT-FOV7-078-0H30:aCitotossicità (Cytotoxicity)
PT CCLV-RIE 0011

Condizioni testate (Test condition)	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-	
			1	2	3	4	5	6	7	8		
Blank UNTREATED 1 PT CCLV-RIE 0011	B	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0
	D	0	0	0	0	0	0	0	0	0	0	0
	E	0	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0	0
	G	0	0	0	0	0	0	0	0	0	0	0
	Endpoint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 0.50

Condizioni testate (Test condition)	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-	
			1	2	3	4	5	6	7	8		
Blank UNTREATED 2 PT CCLV-RIE 0011	B	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0
	D	0	0	0	0	0	0	0	0	0	0	0
	E	0	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0	0
	G	0	0	0	0	0	0	0	0	0	0	0
	Endpoint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 0.50

Condizioni testate (Test condition)	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-	
			1	2	3	4	5	6	7	8		
Blank UNTREATED 3 PT CCLV-RIE 0011	B	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0
	D	0	0	0	0	0	0	0	0	0	0	0
	E	0	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0	0
	G	0	0	0	0	0	0	0	0	0	0	0
	Endpoint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 0.50

Data verifica Approver (Approver verification date): 29/04/21

Sigla Tecnico e data (Technician signature and date): 29/04/21Sigla Approver e data (Approver signature and date): 29/04/21

Revision: 1	Local reference: Mod. PS/MIC/121.D	
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	Measurement of antiviral activity on plastics and other non-porous surfaces	EDR: 1-P-QM-TEM-9095730
	Norma (Standard): ISO 21702:2019	

Data inizio (Started on): 07/04/21 Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1 ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
LV-MAT-FOV7-078-0H30:aCitotossicità (Cytotoxicity)
PT CCLV-RIE 0011

Condizioni testate (Test condition)	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-	
			1	2	3	4	5	6	7	8		
Paint 7 TREATED 1 PT CCLV-RIE 0011	B	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0
	D	0	0	0	0	0	0	0	0	0	0	0
	E	0	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0	0
	G	0	0	0	0	0	0	0	0	0	0	0
	Endpoint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 0.50

Condizioni testate (Test condition)	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-	
			1	2	3	4	5	6	7	8		
Paint 7 TREATED 2 PT CCLV-RIE 0011	B	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0
	D	0	0	0	0	0	0	0	0	0	0	0
	E	0	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0	0
	G	0	0	0	0	0	0	0	0	0	0	0
	Endpoint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 0.50

Condizioni testate (Test condition)	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-	
			1	2	3	4	5	6	7	8		
Paint 7 TREATED 3 PT CCLV-RIE 0011	B	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0
	D	0	0	0	0	0	0	0	0	0	0	0
	E	0	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0	0
	G	0	0	0	0	0	0	0	0	0	0	0
	Endpoint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 0.50

Data verifica Approver (Approver verification date): 29/04/21

Sigla Tecnico e data (Technician signature and date): En 290421Sigla Approver e data (Approver signature and date): En 290421

Revision: 1	Local reference: Mod. PS/MIC/121.D
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Printed By: YQP7 at: 29-apr-2021 11.05.15

	<p>Measurement of antiviral activity on plastics and other non-porous surfaces</p> <p>Norma (Standard): ISO 21702:2019</p>	<p>EDR: 1-P-QM-TEM-9095730</p>
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Data inizio (Started on): 07/04/21

Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1

ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
LV-MAT-FOV7-078-0H30:a**Titolazione virus (Virus Titration)**

Betacoronavirus 1 (Bovine Corona Virus) strain S379 Riems

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)								K-	
			1	2	3	4	5	6	7	8		
Betacoronavirus 1 (Bovine Corona Virus) strain S379 Riems	B	0	4	4	4	4	4	4	0	0	0	0
	C	0	4	4	4	4	0	0	0	0	0	0
	D	0	4	4	4	4	2	0	0	0	0	0
	E	0	4	4	4	4	0	0	0	0	0	0
	F	0	4	4	4	4	0	0	0	0	0	0
	G	0	4	4	4	4	0	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	100.0	100.0	33.3	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 4.83

Data verifica Approver (Approver verification date): 29/04/21

Sigla Tecnico e data (Technician signature and date): EN 290421Sigla Approver e data (Approver signature and date): EN 290421

Revision: 1	Local reference: Mod. PS/MIC/121.D	
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	Measurement of antiviral activity on plastics and other non-porous surfaces	EDR: 1-P-QM-TEM-9095730
	Norma (Standard): ISO 21702:2019	

Data inizio (Started on): 07/04/21 Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1 ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
LV-MAT-FOV7-078-0H30:aControllo sensibilità al virus (Control of cell sensitivity to virus)
PT CCLV-RIE 0011

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-	
			3.0	4	5	6	7	8	9		10
NEGATIVE CONTROL (UNTREATED CELLS) REPLICA 1	B	0	4	4	3	0	0	0	0	0	0
	C	0	4	4	4	3	0	0	0	0	0
	D	0	4	4	4	3	0	0	0	0	0
	E	0	4	4	4	0	0	0	0	0	0
	F	0	4	4	4	0	0	0	0	0	0
	G	0	4	4	4	0	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	100.0	16.7	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.67 ± 0.346

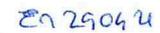
Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-	
			3.0	4	5	6	7	8	9		10
NEGATIVE CONTROL (UNTREATED CELLS) REPLICA 2	B	0	4	4	2	0	0	0	0	0	0
	C	0	4	4	3	0	0	0	0	0	0
	D	0	4	4	4	0	0	0	0	0	0
	E	0	4	4	4	2	0	0	0	0	0
	F	0	4	4	2	0	0	0	0	0	0
	G	0	4	4	2	0	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	100.0	16.7	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.67 ± 0.346

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-	
			3.0	4	5	6	7	8	9		10
NEGATIVE CONTROL (UNTREATED CELLS) REPLICA 3	B	0	4	4	4	0	0	0	0	0	0
	C	0	4	4	0	0	0	0	0	0	0
	D	0	4	4	3	0	0	0	0	0	0
	E	0	4	4	2	0	0	0	0	0	0
	F	0	4	4	4	0	0	0	0	0	0
	G	0	4	4	0	0	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.17 ± 0.400
Log TCID50 (Average): 5.50 ± 0.258

Data verifica Approver (Approver verification date): 29/04/21

Sigla Tecnico e data (Technician signature and date):  29/04/21Sigla Approver e data (Approver signature and date):  29/04/21

Revision: 1	Local reference: Mod. PS/MIC/121.D
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	Measurement of antiviral activity on plastics and other non-porous surfaces	EDR: 1-P-QM-TEM-9095730
	Norma (Standard): ISO 21702:2019	

Data inizio (Started on): 07/04/21 Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1 ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
LV-MAT-FOV7-078-0H30:aControllo sensibilità al virus (Control of cell sensitivity to virus)
PT CCLV-RIE 0011

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)								K-
			3.0	4	5	6	7	8	9	10	
Blank UNTREATED 1	B	0	4	4	4	0	0	0	0	0	0
	C	0	4	4	0	0	0	0	0	0	0
	D	0	4	4	4	0	0	0	0	0	0
	E	0	4	4	4	0	0	0	0	0	0
	F	0	4	4	0	0	0	0	0	0	0
	G	0	4	4	4	0	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.17 ± 0.400

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)								K-
			3.0	4	5	6	7	8	9	10	
Blank UNTREATED 2	B	0	4	4	2	0	0	0	0	0	0
	C	0	4	4	4	0	0	0	0	0	0
	D	0	4	4	4	0	0	0	0	0	0
	E	0	4	4	4	0	0	0	0	0	0
	F	0	4	4	4	0	0	0	0	0	0
	G	0	4	4	4	0	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.50 ± 0.000

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)								K-
			3.0	4	5	6	7	8	9	10	
Blank UNTREATED 3	B	0	4	4	0	0	0	0	0	0	0
	C	0	4	4	4	0	0	0	0	0	0
	D	0	4	4	0	0	0	0	0	0	0
	E	0	4	4	4	0	0	0	0	0	0
	F	0	4	4	3	0	0	0	0	0	0
	G	0	4	4	0	0	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.00 ± 0.447
Log TCID50 (Average): 5.22 ± 0.245
Verification: 0.28 VALID

Data verifica Approver (Approver verification date): 29/04/21

Sigla Tecnico e data (Technician signature and date): En 290421Sigla Approver e data (Approver signature and date): En 290421

Revision: 1	Local reference: Mod. PS/MIC/121.D
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	Measurement of antiviral activity on plastics and other non-porous surfaces	EDR: 1-P-QM-TEM-9095730
	Norma (Standard): ISO 21702:2019	

Data inizio (Started on): 07/04/21 Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1 ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
LV-MAT-FOV7-078-0H30:aControllo sensibilità al virus (Control of cell sensitivity to virus)
PT CCLV-RIE 0011

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)								K-
			3.0	4	5	6	7	8	9	10	
Paint 7 TREATED 1	B	0	4	4	0	0	0	0	0	0	0
	C	0	4	4	4	0	0	0	0	0	0
	D	0	4	4	2	0	0	0	0	0	0
	E	0	4	4	4	0	0	0	0	0	0
	F	0	4	4	4	2	0	0	0	0	0
	G	0	4	4	2	0	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	83.3	16.7	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.50 ± 0.490

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)								K-
			3.0	4	5	6	7	8	9	10	
Paint 7 TREATED 2	B	0	4	4	2	0	0	0	0	0	0
	C	0	4	4	4	0	0	0	0	0	0
	D	0	4	4	2	0	0	0	0	0	0
	E	0	4	4	4	0	0	0	0	0	0
	F	0	4	4	2	0	0	0	0	0	0
	G	0	4	4	0	0	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	83.3	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.33 ± 0.346

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)								K-
			3.0	4	5	6	7	8	9	10	
Paint 7 TREATED 3	B	0	4	4	0	0	0	0	0	0	0
	C	0	4	4	3	0	0	0	0	0	0
	D	0	4	4	0	0	0	0	0	0	0
	E	0	4	4	2	0	0	0	0	0	0
	F	0	4	4	3	0	0	0	0	0	0
	G	0	4	4	4	0	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.17 ± 0.400
Log TCID50 (Average): 5.33 ± 0.294
Verification: 0.17 VALID

Data verifica Approver (Approver verification date): 29/04/21

Sigla Tecnico e data (Technician signature and date): En 290421Sigla Approver e data (Approver signature and date): En 290421

Revision: 1	Local reference: Mod. PS/MIC/121.D
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	Measurement of antiviral activity on plastics and other non-porous surfaces	EDR: 1-P-QM-TEM-9095730
	Norma (Standard): ISO 21702:2019	

Data inizio (Started on): 07/04/21 Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1 ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
LV-MAT-FOV7-078-0H30:aProcedura test (Test procedure)
Betacoronavirus 1 (Bovine Corona Virus) strain S379 Riems

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-	
			2.4	3.4	4.4	5.4	6.4	7.4	8.4		9.4
Blank UNTREATED 1 After inoculation T = 0 min	B	0	4	4	4	0	0	0	0	0	0
	C	0	4	4	4	0	0	0	0	0	0
	D	0	4	4	4	0	0	0	0	0	0
	E	0	4	4	3	3	0	0	0	0	0
	F	0	4	4	4	0	0	0	0	0	0
	G	0	4	4	4	2	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	100.0	33.3	0.0	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.23 ± 0.400

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-
			2.4	3.4	4.4	5.4	6.4	7.4	8.4	
Blank UNTREATED 2 After inoculation T = 0 min	B	0	4	4	4	0	0	0	0	0
	C	0	4	4	3	0	0	0	0	0
	D	0	4	4	3	0	0	0	0	0
	E	0	4	4	4	0	0	0	0	0
	F	0	4	4	4	3	0	0	0	0
	G	0	4	4	4	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	100.0	16.7	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.07 ± 0.346

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-
			2.4	3.4	4.4	5.4	6.4	7.4	8.4	
Blank UNTREATED 3 After inoculation T = 0 min	B	0	4	4	4	0	0	0	0	0
	C	0	4	4	4	0	0	0	0	0
	D	0	4	4	4	4	0	0	0	0
	E	0	4	4	4	0	0	0	0	0
	F	0	4	4	4	0	0	0	0	0
	G	0	4	4	4	0	0	0	0	0
	Endpoint	0.0	100.0	100.0	100.0	16.7	0.0	0.0	0.0	0.0

Cell destruction: VALID
Log TCID50: 5.07 ± 0.346
Log TCID50 (Average): 5.12 ± 0.258
(L_{max} - L_{min}) / (L_{mean}): 0.03 VALID
Log TCID50 (Average)/cm²: 5.92 VALID

Data verifica Approver (Approver verification date): 29/04/21

Sigla Tecnico e data (Technician signature and date): En 290421Sigla Approver e data (Approver signature and date): En 290421

Revision: 1	Local reference: Mod. PS/MIC/121.D
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	Measurement of antiviral activity on plastics and other non-porous surfaces	EDR: 1-P-QM-TEM-9095730
	Norma (Standard): ISO 21702:2019	

Data inizio (Started on): 07/04/21 Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1 ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
LV-MAT-FOV7-078-0H30:aProcedura test (Test procedure)
Betacoronavirus 1 (Bovine Corona Virus) strain S379 Riems

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-	
			2.4	3.4	4.4	5.4	6.4	7.4	8.4		9.4
Blank	B	0	4	4	0	0	0	0	0	0	0
	C	0	4	4	0	0	0	0	0	0	0
UNTREATED 1	D	0	4	4	4	0	0	0	0	0	0
	E	0	4	4	0	0	0	0	0	0	0
After contact T max	F	0	4	4	0	0	0	0	0	0	0
	G	0	4	4	0	0	0	0	0	0	0
Endpoint	0.0	100.0	100.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	

Cell destruction: **VALID**
 Log TCID50: **4.07** ± **0.346**
 Log TCID50/ml: **5.07** ± **0.346**
 Log TCID50/cm²: **4.87** **VALID**

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-	
			2.4	3.4	4.4	5.4	6.4	7.4	8.4		9.4
Blank	B	0	4	4	2	0	0	0	0	0	0
	C	0	4	4	0	0	0	0	0	0	0
UNTREATED 2	D	0	4	4	2	0	0	0	0	0	0
	E	0	4	4	0	0	0	0	0	0	0
After contact T max	F	0	4	4	0	0	0	0	0	0	0
	G	0	4	4	0	0	0	0	0	0	0
Endpoint	0.0	100.0	100.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	

Cell destruction: **VALID**
 Log TCID50: **4.23** ± **0.400**
 Log TCID50/ml: **5.23** ± **0.400**
 Log TCID50/cm²: **5.03** **VALID**

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-	
			2.4	3.4	4.4	5.4	6.4	7.4	8.4		9.4
Blank	B	0	4	4	4	0	0	0	0	0	0
	C	0	4	4	0	0	0	0	0	0	0
UNTREATED 3	D	0	4	4	3	0	0	0	0	0	0
	E	0	4	4	3	0	0	0	0	0	0
After contact T max	F	0	4	4	0	0	0	0	0	0	0
	G	0	4	4	0	0	0	0	0	0	0
Endpoint	0.0	100.0	100.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	

Cell destruction: **VALID**
 Log TCID50: **4.40** ± **0.447**
 Log TCID50/ml: **5.40** ± **0.447**
 Log TCID50/cm²: **5.20** **VALID**
 Log TCID50 (Average): **4.23** ± **0.216**
 Log TCID50 (Average/ml): **5.23** ± **0.216**
 Log TCID50 (Average)/cm²: **5.03** **VALID**

Data verifica Approver (Approver verification date): 29/04/21

Sigla Tecnico e data (Technician signature and date): En 290421Sigla Approver e data (Approver signature and date): En 290421

Revision: 1	Local reference: Mod. PS/MIC/121.D
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	Measurement of antiviral activity on plastics and other non-porous surfaces	EDR: 1-P-QM-TEM-9095730
	Norma (Standard): ISO 21702:2019	

Data inizio (Started on): 07/04/21 Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1 ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
LV-MAT-FOV7-078-0H30:aProcedura test (Test procedure)
Betacoronavirus 1 (Bovine Corona Virus) strain S379 Riems

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-	
			2.4	3.4	4.4	5.4	6.4	7.4	8.4		9.4
Paint 7 TREATED 1 24 HOURS	B	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
	D	0	0	0	0	0	0	0	0	0	0
	E	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0
	G	0	0	0	0	0	0	0	0	0	0
	Endpoint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: **VALID**
 Log TCID50: ≤ 1.90 ± 0.000
 Log TCID50/ml: ≤ 2.90 ± 0.000
 Reduction: ≥ 2.33 ± 0.200

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-	
			2.4	3.4	4.4	5.4	6.4	7.4	8.4		9.4
Paint 7 TREATED 2 24 HOURS	B	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
	D	0	0	0	0	0	0	0	0	0	0
	E	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0
	G	0	0	0	0	0	0	0	0	0	0
	Endpoint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: **VALID**
 Log TCID50: ≤ 1.90 ± 0.000
 Log TCID50/ml: ≤ 2.90 ± 0.000
 Reduction: ≥ 2.33 ± 0.200

Condizioni testate (Test condition)	Replica	K-	Diluizione virus (Virus dilution)							K-	
			2.4	3.4	4.4	5.4	6.4	7.4	8.4		9.4
Paint 7 TREATED 3 24 HOURS	B	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
	D	0	0	0	0	0	0	0	0	0	0
	E	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0
	G	0	0	0	0	0	0	0	0	0	0
	Endpoint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cell destruction: **VALID**
 Log TCID50: ≤ 1.90 ± 0.000
 Log TCID50/ml: ≤ 2.90 ± 0.000
 Reduction: ≥ 2.33 ± 0.200
 Log TCID50 (Average): ≤ 1.90 ± 0.000
 Log TCID50 (Average)/ml: ≤ 2.90 ± 0.000
 Reduction (Average): ≥ 2.33 ± 0.080
 Reduction % (Average): 99.53%

Data verifica Approver (Approver verification date): 29/04/21

Sigla Tecnico e data (Technician signature and date): En 290421Sigla Approver e data (Approver signature and date): En 290421

Revision: 1	Local reference: Mod. PS/MIC/121.D	
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	<p>Measurement of antiviral activity on plastics and other non-porous surfaces</p> <p>Norma (Standard): ISO 21702:2019</p>	<p>EDR: 1-P-QM-TEM-9095730</p>
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Data inizio (Started on): 07/04/21 Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1 ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
 LV-MAT-FOV7-078-0H30:a

Result summary

Attività Antivirale (Antiviral Activity)
 Betacoronavirus 1 (Bovine Corona Virus) strain S379 Riems

Prodotto (Product)	Paint 7	
	Riduzione Log (Log Reduction)	Riduzione % (% Reduction)
Tempo di contatto (Contact time)	24 HOURS	
	$\geq 2,33 \pm 0,08$	99.53%

Data verifica Approver (Approver verification date): 29/04/21

Sigla Approver e data (Approver signature and date): En290421

Revision: 1	Local reference: Mod. PS/MIC/121.D
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	Measurement of antiviral activity on plastics and other non-porous surfaces	EDR: 1-P-QM-TEM-9095730
	Norma (Standard): ISO 21702:2019	

Data inizio (Started on): 07/04/21

Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1

ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a

LV-MAT-FOV7-078-0H30:a

Procedura test (Test procedure)

Betacoronavirus 1 (Bovine Corona Virus) strain S379 Riems

Condizioni testate (Test condition)	PLATE 1	K-	Diluizione sostanza in esame (Test item dilution)										K-		
			1	2	3	4	5	6	7	8	9	10			
Paint 7 TREATED 1 24 HOURS	B	0	2	2	2	2	2	2	2	2	2	2	2	2	0
	C	0	2	2	2	2	2	2	2	2	2	2	2	2	0
	D	0	2	2	2	2	2	2	2	2	2	2	2	2	0
	E	0	2	2	2	2	2	2	2	2	2	2	2	2	0
	F	0	2	2	2	2	2	2	2	2	2	2	2	2	0
	G	0	2	2	2	2	2	2	2	2	2	2	2	2	0
	H	0	2	2	2	2	2	2	2	2	2	2	2	2	0
	I	0	2	2	2	2	2	2	2	2	2	2	2	2	0

Cell destruction: VALID

Log TCID50/ml: #NUM!

Reduction: #NUM!

Condizioni testate (Test condition)	PLATE 1	K-	Diluizione sostanza in esame (Test item dilution)										K-	
			0											
			1	2	3	4	5	6	7	8	9	10		
Paint 7 TREATED 2 24 HOURS	B	0	2	2	2	2	2	2	2	2	2	2	2	0
	C	0	2	2	2	2	2	2	2	2	2	2	2	0
	D	0	2	2	2	2	2	2	2	2	2	2	2	0
	E	0	2	2	2	2	2	2	2	2	2	2	2	0
	F	0	2	2	2	2	2	2	2	2	2	2	2	0
	G	0	2	2	2	2	2	2	2	2	2	2	2	0
	H	0	2	2	2	2	2	2	2	2	2	2	2	0
	I	0	2	2	2	2	2	2	2	2	2	2	2	0

Cell destruction: VALID

Log TCID50/ml: #NUM!

Reduction: #NUM!

Condizioni testate (Test condition)	PLATE 1	K-	Diluizione sostanza in esame (Test item dilution)										K-	
			0											
			1	2	3	4	5	6	7	8	9	10		
Paint 7 TREATED 3 24 HOURS	B	0	2	2	2	2	2	2	2	2	2	2	2	0
	C	0	2	2	2	2	2	2	2	2	2	2	2	0
	D	0	2	2	2	2	2	2	2	2	2	2	2	0
	E	0	2	2	2	2	2	2	2	2	2	2	2	0
	F	0	2	2	2	2	2	2	2	2	2	2	2	0
	G	0	2	2	2	2	2	2	2	2	2	2	2	0
	H	0	2	2	2	2	2	2	2	2	2	2	2	0
	I	0	2	2	2	2	2	2	2	2	2	2	2	0

Cell destruction: VALID

Log TCID50/ml: #NUM!

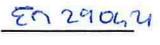
Reduction: #NUM!

TCID50/ml (Average): #NUM!

Reduction (Average): #NUM!

Reduction % : #NUM!

Data verifica Approver (Approver verification date): 29/04/21

Sigla Tecnico e data (Technician signature and date): Sigla Approver e data (Approver signature and date): 

Revision: 1	Local reference: Mod. PS/MIC/121.E
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	<p>Measurement of antiviral activity on plastics and other non-porous surfaces</p> <p>Norma (Standard): ISO 21702:2019</p>	<p>EDR: 1-P-QM-TEM-9095730</p>
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Data inizio (Started on): 07/04/21

Data fine sperimentazione (Experimentation finished on): 13/04/21

Rapporto No (Report No): STULV21AA1529-1

ID Campione (ID sample): LV-MAT-FOV7-078-0H29:a
LV-MAT-FOV7-078-0H30:a

Result summary

Attività Antivirale (Antiviral Activity)
Betacoronavirus 1 (Bovine Corona Virus) strain S379 Riems

Prodotto (Product)	Paint 7	
	Riduzione Log (Log Reduction)	Riduzione % (% Reduction)
Tempo di contatto (Contact time)	24 HOURS	
	#NUM!	#NUM!

Data verifica Approver (Approver verification date): 29/04/21

Sigla Approver e data (Approver signature and date): Σα 290421

Revision: 1	Local reference: Mod. PS/MIC/121.E	
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