eurofins | BioPharma Product Testing

LAB N° 0032 L

SPONSOR	WOW KEMICAL SRL		
	VIA SILVIO TRAVAGLIA, 14		
	35043, MONSELICE (PD)		
	ITALY		
TEST METHOD	EN 14476:2013+A2:2019 / UNI EN 14476:2019 - 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 (*)	*MICRO OXIGERM*		
MATRIX OF THE PRODUCT (*)	Biocide and Antimicrobials		
BATCH (*)	03/2020	CODE (*)	MICRO OXIGERM concentrato REV.1A
MANUFACTURING DATE (*)	06-May-2020	EXPIRY DATE (*)	06-May-2023
MANUFACTURER	Not provided		
ACTIVE INGREDIENT (*)	Hydrogen peroxide 24% neat		
MATERIAL ITEM ALIQUOT	LV-MAT-FOV7-20-119-0919:a		
PARCEL REGISTRATION N.	IP-LV-2020129-AEN	RECEIVING DATE	08-May-2020
STORAGE CONDITIONS (*)	Room Temperature (20°C ± 5°C)		
(*) INFORMATION PROVIDED BY THE SPONSOR			
ANALYSIS STARTING DATE	12-May-2020	**ANALYSIS ENDING DATE**	25-May-2020
EXPERIMENTAL CONDITIONS			
TEST TEMPERATURE	25°C ± 1°C		
CONCENTRATIONS	33% - 16.6% - 1.66% The test item dilutions have been prepared 1.25 times higher than the final tested concentrations, using hard water. The dilutions were opaque and homogeneous. Test item dilution was stable throughout test (no precipitation in the test mixture).		
PRODUCT APPEARANCE	Transparent liquid		
CONTACT TIME	5 minutes		
INACTIVATION OF THE PRODUCT	Filtration with S400 HR columns MicroSpinTM (and iced culture Medium) Considering the composition of the test item, catalase from Micrococcus lysodeikticus has been added to the medium, proportionally to the final tested H_2O_2 concentration (1 U corresponds to the amount of enzyme which decomposes 1µmol H_2O_2 per minute at pH 7.0 and 25°C).		
INTERFERING SUBSTANCE	Bovine serum albumin (BSA) with a final concentration of 0.3 g/L (0.03% - simulating clean conditions for the medical area)		
INCUBATION TEMPERATURE	37°C ±1°C (with 5% CO_2)		

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ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO
LAB N° 0032 L

TEST VIRUSES	*Poliovirus Type 1 LSc-2ab* (RVB-1260) *Adenovirus Type 5* (ATCC VR-5) *Murine norovirus, strain S99* (RVB-651)
CELL LINES	*HeLa* (ATCC CCL-2) *RAW 264.7* (ATCC TIB-71)
RESULTS	**See Addendum N.1**
CONCLUSIONS	**VIRUCIDAL** at test concentration of 16.6%, after 5 minutes of contact time, in the adopted test conditions, using bovine serum albumin at the final concentration of 0.3 g/L (0.03% - simulating clean conditions for the medical area).
ADDENDUM	N. 1: RAW DATA ELABORATION (*33 PAGES*)

Eurofins Biolab Srl – via B.Buozzi 2, Vimodrone (Milano), Italy - P.IVA / VAT Number: 007620140960
Tel: +39-022507151 – Fax: +39-0225071599 – E-mail: InfoFarma@eurofins.com

Reviewed and electronically signed for Technical Supervisor Approval by
Elisa Anna Maccagni, Employee
for Eurofins Biolab Srl, on 29-May-2020 12:22:38 UTC+02:00

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Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20

Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1

ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Citotossicità *(Cytotoxicity)*
Hela ATCC CCL-2

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame *(Test item dilution)*								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	3	0	0	0	0	0	0	0
33,0%	C	0	4	3	0	0	0	0	0	0	0
	D	0	4	3	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	4	3	0	0	0	0	0	0	0
	F	0	4	3	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	3	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **2,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	3	0	0	0	0	0	0	0
16,6%	C	0	4	3	0	0	0	0	0	0	0
	D	0	4	3	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	4	3	0	0	0	0	0	0	0
	F	0	4	3	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	3	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **2,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
1,66%	C	0	4	0	0	0	0	0	0	0	0
	D	0	4	0	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	4	0	0	0	0	0	0	0	0
	F	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	0	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **1,50**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 21-05-20

Sigla Approver e data *(Approver signature and date)*: 25/05/20

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Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Citotossicità dopo filtrazione *(Cytotoxicity after filtration)*
Hela ATCC CCL-2

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
33,0%	D	0	4	0	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	4	0	0	0	0	0	0	0	0
	F	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	0	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **1,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
16,6%	D	0	4	0	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	4	0	0	0	0	0	0	0	0
	F	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	0	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **1,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
1,66%	D	0	0	0	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	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: **0,50**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26-05-20

Sigla Approver e data *(Approver signature and date)*: 26/05/20

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Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Poliovirus Type 1 LSc-2ab

Titolazione virus *(Virus Titration)*

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus *(Virus dilution)*								K-
			1	2	3	4	5	6	7	8	
Poliovirus Type 1 LSc-2ab	B	0	4	4	4	3	3	2	0	0	0
	C	0	4	4	4	3	3	2	0	0	0
	D	0	4	4	4	3	3	2	0	0	0
	E	0	4	4	4	3	3	2	0	0	0
	F	0	4	4	4	3	3	2	0	0	0
	G	0	4	4	4	3	3	2	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0

Cell destruction: **VALID**

Log TCID50: **6,50** ± **0,000**

Titolazione virale dopo filtrazione *(Virus Titration after filtration)*

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution)								K-
			1	2	3	4	5	6	7	8	
Poliovirus Type 1 LSc-2ab	B	0	4	4	4	3	3	2	0	0	0
	C	0	4	4	4	3	3	2	0	0	0
	D	0	4	4	4	3	3	2	0	0	0
	E	0	4	4	4	3	3	2	0	0	0
	F	0	4	4	4	3	3	2	0	0	0
	G	0	4	4	4	3	3	2	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0

Cell destruction: **VALID**

Log TCID50: **6,50** ± **0,000**

Reduction: 0,00 VALID

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: GF 28/05/20

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Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Controllo sensibilità al virus *(Control of virus sensitivity)*
Poliovirus Type 1 LSc-2ab

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
PBS	B	0	4	4	4	3	3	2	1	0	0
	C	0	4	4	4	3	3	2	0	0	0
	D	0	4	4	4	3	3	2	0	0	0
	E	0	4	4	4	3	3	2	0	0	0
	F	0	4	4	4	3	3	2	0	0	0
60 min	G	0	4	4	4	3	3	2	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	16,7	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,67** ± **0,346**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM	B	0	4	4	4	3	3	1	0	0	0
33,0%	C	0	4	4	4	3	3	1	0	0	0
	D	0	4	4	4	3	3	1	0	0	0
BSA 0.03% final concentration	E	0	4	4	4	3	3	1	0	0	0
	F	0	4	4	4	3	3	1	0	0	0
60 min	G	0	4	4	4	3	3	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	83,3	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,33** ± **0,346**
Reduction: **0,34** **VALID**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM	B	0	4	4	4	3	3	2	0	0	0
16,6%	C	0	4	4	4	3	3	1	0	0	0
	D	0	4	4	4	3	3	2	0	0	0
BSA 0.03% final concentration	E	0	4	4	4	3	3	1	0	0	0
	F	0	4	4	4	3	3	1	0	0	0
60 min	G	0	4	4	4	3	3	2	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,50** ± **0,000**
Reduction: **0,17** **VALID**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM	B	0	4	4	4	3	3	2	0	0	0
1,66%	C	0	4	4	4	3	3	2	0	0	0
	D	0	4	4	4	3	3	1	0	0	0
BSA 0.03% final concentration	E	0	4	4	4	3	3	2	0	0	0
	F	0	4	4	4	3	3	2	0	0	0
60 min	G	0	4	4	4	3	3	2	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,50** ± **0,000**
Reduction: **0,17** **VALID**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: 28/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 5 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Test di riferimento per l'inattivazione del virus *(Reference test for virus inactivation)*

Citotossicità riferimento *(Reference Cytotoxicity)*
Hela ATCC CCL-2

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame *(Test item dilution)*								K-
			1	2	3	4	5	6	7	8	
Formaldeide *(Formaldehyde)*	B	0	4	3	0	0	0	0	0	0	0
	C	0	4	3	0	0	0	0	0	0	0
0,7%	D	0	4	3	0	0	0	0	0	0	0
PBS	E	0	4	3	0	0	0	0	0	0	0
	F	0	4	3	0	0	0	0	0	0	0
	G	0	4	3	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **2,50**

Virus Control *(Virus control)*
Hela ATCC CCL-2
Poliovirus Type 1 LSc-2ab

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus *(Virus dilution)*								K-
			2	3	4	5	6	7	8	9	
ACQUA *(WATER)*	B	0	4	4	4	3	3	0	0	0	0
	C	0	4	4	4	3	3	1	0	0	0
PBS	D	0	4	4	4	3	3	0	0	0	0
	E	0	4	4	4	3	3	0	0	0	0
	F	0	4	4	4	3	3	0	0	0	0
0 min	G	0	4	4	4	3	3	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	16,7	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **6,67 ± 0,346**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution)								K-
			2	3	4	5	6	7	8	9	
ACQUA *(WATER)*	B	0	4	4	4	3	2	0	0	0	0
	C	0	4	4	4	3	2	0	0	0	0
PBS	D	0	4	4	4	3	2	0	0	0	0
	E	0	4	4	4	3	3	0	0	0	0
	F	0	4	4	4	3	2	0	0	0	0
60 min	G	0	4	4	4	3	2	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **6,50 ± 0,000**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico e *data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: [illegible] 28/05/20

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Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Test di riferimento per l'inattivazione del virus *(Reference test for virus inactivation)*
Hela ATCC CCL-2
Poliovirus Type 1 LSc-2ab

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution)								K-
			2	3	4	5	6	7	8	9	
Formaldeide (Formaldehyde) 0,7% PBS 30 min	B	0	4	3	1	0	0	0	0	0	0
	C	0	4	3	1	0	0	0	0	0	0
	D	0	4	3	1	0	0	0	0	0	0
	E	0	4	3	1	0	0	0	0	0	0
	F	0	4	3	1	0	0	0	0	0	0
	G	0	4	3	1	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: **4,50** ± **0,000**
Reduction: **2,00** ± 0,000 **PASS**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution)								K-
			2	3	4	5	6	7	8	9	
Formaldeide *(Formaldehyde)* 0,7% PBS 60 min	B	0	4	3	0	0	0	0	0	0	0
	C	0	4	3	0	0	0	0	0	0	0
	D	0	4	3	0	0	0	0	0	0	0
	E	0	4	3	0	0	0	0	0	0	0
	F	0	4	3	0	0	0	0	0	0	0
	G	0	4	3	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **3,50** ± **0,000**
Reduction: **3,00** ± 0,000 **PASS**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26-05-20

Sigla Approver e data *(Approver signature and date)*: [illegible] 28/05/20

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Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Virus Control *(Virus control)*
Hela ATCC CCL-2
Poliovirus Type 1 LSc-2ab

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
ACQUA *(WATER)*	B	0	4	4	4	3	3	0	0	0	0
	C	0	4	4	4	3	3	0	0	0	0
	D	0	4	4	4	3	3	0	0	0	0
BSA 0.03% final concentration	E	0	4	4	4	3	3	0	0	0	0
	F	0	4	4	4	3	3	0	0	0	0
0 min	G	0	4	4	4	3	3	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: VALID

Log TCID50: **6,50** ± **0,000**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
ACQUA *(WATER)*	B	0	4	4	4	3	2	0	0	0	0
	C	0	4	4	4	3	2	0	0	0	0
	D	0	4	4	4	3	2	0	0	0	0
BSA 0.03% final concentration	E	0	4	4	4	3	2	0	0	0	0
	F	0	4	4	4	3	2	0	0	0	0
Maximum contact time tested	G	0	4	4	4	3	3	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: VALID

Log TCID50: **6,50** ± **0,000**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MA 26-05-20

Sigla Approver e data *(Approver signature and date)*: 28/05/20

eurofins

Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Controllo soppressione attività prodotto *(Control of suppression of product's activity)*
Hela ATCC CCL-2
Poliovirus Type 1 LSc-2ab

Condizioni testate *(Test condition)*

MICRO OXIGERM
33,0%
BSA 0.03% final concentration
0 min

Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
B	0	4	4	3	2	2	0	0	0	0
C	0	4	4	3	2	2	0	0	0	0
D	0	4	4	3	2	2	0	0	0	0
E	0	4	4	3	2	2	0	0	0	0
F	0	4	4	3	2	2	0	0	0	0
G	0	4	4	3	2	2	0	0	0	0
Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,50** ± **0,000**
Reduction: **0,00** **VALID**

Condizioni testate *(Test condition)*

MICRO OXIGERM
16,6%
BSA 0.03% final concentration
0 min

Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
B	0	4	4	3	2	2	0	0	0	0
C	0	4	4	3	2	2	0	0	0	0
D	0	4	4	3	2	2	0	0	0	0
E	0	4	4	3	2	2	0	0	0	0
F	0	4	4	3	2	2	0	0	0	0
G	0	4	4	3	2	2	0	0	0	0
Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,50** ± **0,000**
Reduction: **0,00** **VALID**

Condizioni testate *(Test condition)*

MICRO OXIGERM
1,66%
BSA 0.03% final concentration
0 min

Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
B	0	4	4	3	2	2	0	0	0	0
C	0	4	4	3	2	2	0	0	0	0
D	0	4	4	3	2	2	0	0	0	0
E	0	4	4	3	2	2	0	0	0	0
F	0	4	4	3	2	2	0	0	0	0
G	0	4	4	3	2	2	0	0	0	0
Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,50** ± **0,000**
Reduction: **0,00** **VALID**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.'20

Sigla Approver e data *(Approver signature and date)*: 28/05/20

eurofins

Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Procedura test *(Test procedure)*
Hela ATCC CCL-2
Poliovirus Type 1 LSc-2ab

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
33,0%	D	0	4	0	0	0	0	0	0	0	0
	E	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	F	0	4	0	0	0	0	0	0	0	0
	G	0	4	0	0	0	0	0	0	0	0
5 min	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: 2,50 ± 0,000
Log reduction: **4,00** ± **0,000**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
16,6%	D	0	4	0	0	0	0	0	0	0	0
	E	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	F	0	4	0	0	0	0	0	0	0	0
	G	0	4	0	0	0	0	0	0	0	0
5 min	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: 2,50 ± 0,000
Log reduction: **4,00** ± **0,000**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	4	3	3	0	0	0	0	0
	C	0	4	4	3	3	0	0	0	0	0
1,66%	D	0	4	4	3	3	0	0	0	0	0
	E	0	4	4	3	3	0	0	0	0	0
BSA 0.03% final concentration	F	0	4	4	3	3	0	0	0	0	0
	G	0	4	4	3	3	0	0	0	0	0
5 min	Endpoint	0,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: 5,50 ± 0,000
Log reduction: **1,00** ± **0,000**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: 28/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 10 / 38 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Result summary

Attività virucida *(Virucidal activity)*
Poliovirus Type 1 LSc-2ab

Prodotto *(Product)*	**MICRO OXIGERM**	
Sostanza interferente *(Interfering substance)*	**BSA 0.03% final concentration**	
Tempo di contatto *(Contact time)*	5 min	
Concentrazione *(Concentration)*	**Riduzione Log *(Log Reduction)***	**Status**
33,0%	4 ± 0	PASS
16,6%	4 ± 0	PASS
1,66%	1 ± 0	FAIL

Data verifica Approver (*Approver verification date*): 25/05/20

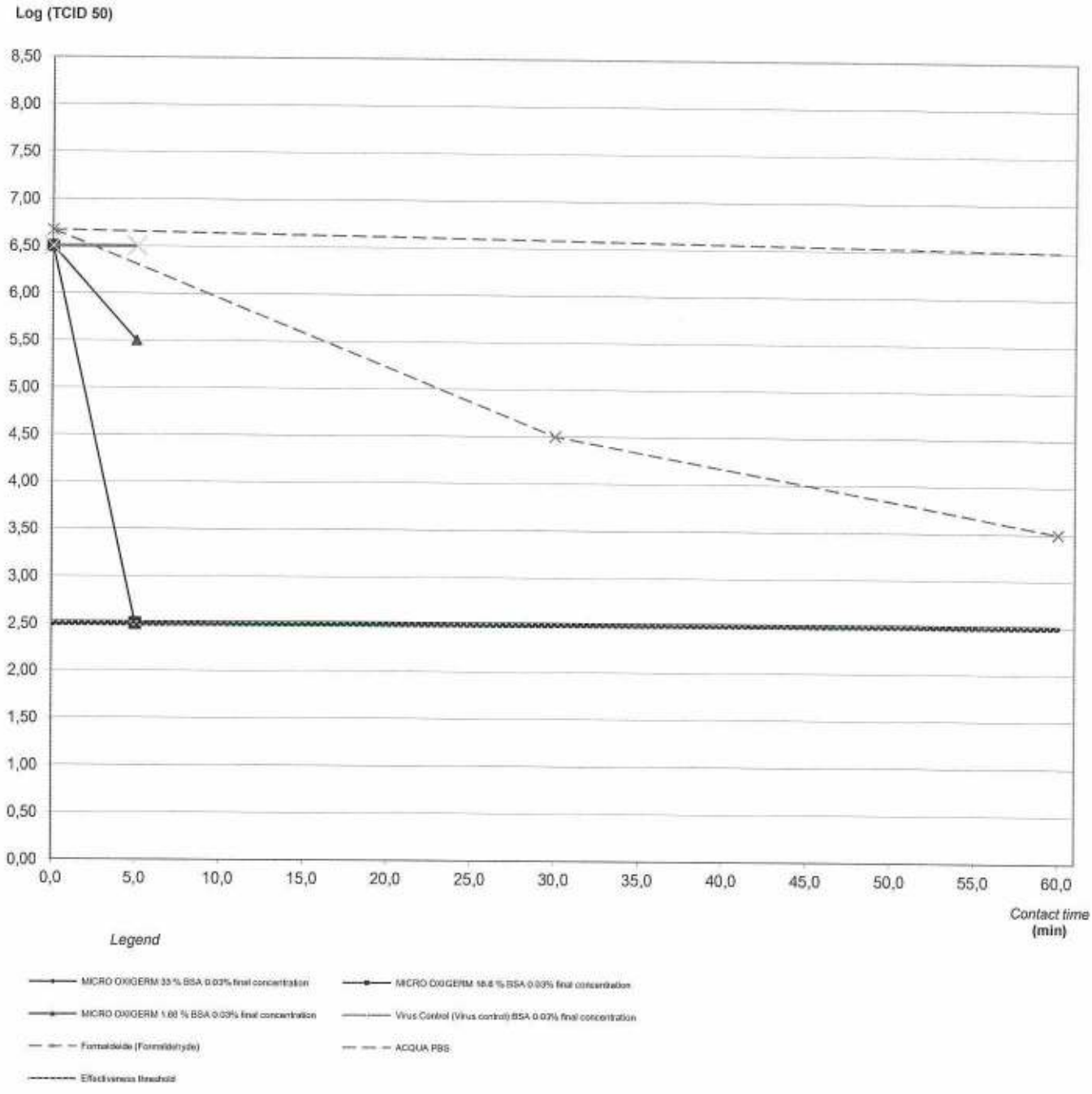
Sigla Approver e data *(Approver signature and date)*: 25/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 11 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Presentazione grafica del saggio *(Graphic presentation of test)*
Poliovirus Type 1 LSc-2ab



Data verifica Approver (*Approver verification date*): 25/05/20

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eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 12 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Citotossicità *(Cytotoxicity)*
Hela ATCC CCL-2

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame *(Test item dilution)*								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	3	0	0	0	0	0	0	0
33,0%	C	0	4	3	0	0	0	0	0	0	0
	D	0	4	3	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	4	3	0	0	0	0	0	0	0
	F	0	4	3	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	3	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **2,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	3	0	0	0	0	0	0	0
16,6%	C	0	4	3	0	0	0	0	0	0	0
	D	0	4	3	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	4	3	0	0	0	0	0	0	0
	F	0	4	3	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	3	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **2,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
1,66%	C	0	4	0	0	0	0	0	0	0	0
	D	0	4	0	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	4	0	0	0	0	0	0	0	0
	F	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	0	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **1,50**

Data verifica Approver (*Approver verification date*): 25/05/20

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eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 13 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Citotossicità dopo filtrazione *(Cytotoxicity after filtration)*
Hela ATCC CCL-2

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
33,0%	D	0	4	0	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	4	0	0	0	0	0	0	0	0
	F	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	0	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **1,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
16,6%	D	0	4	0	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	4	0	0	0	0	0	0	0	0
	F	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	0	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **1,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
1,66%	D	0	0	0	0	0	0	0	0	0	0
Hela ATCC CCL-2	E	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	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: **0,50**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico e *data (Technician signature and date)*: MM 26.05.20

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eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 14 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Adenovirus Type 5 ATCC VR-5

Titolazione virus *(Virus Titration)*

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus *(Virus dilution)*								K-
			1	2	3	4	5	6	7	8	
Adenovirus Type 5 ATCC VR-5	B	0	4	4	4	3	3	2	1	0	0
	C	0	4	4	4	3	3	2	1	0	0
	D	0	4	4	4	3	3	2	0	0	0
	E	0	4	4	4	3	3	2	1	0	0
	F	0	4	4	4	3	3	2	0	0	0
	G	0	4	4	4	3	3	2	1	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	66,7	0,0	0,0

Cell destruction: **VALID**

Log TCID50: **7,17** ± **0,400**

Titolazione virale dopo filtrazione *(Virus Titration after filtration)*

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution)								K-
			1	2	3	4	5	6	7	8	
Adenovirus Type 5 ATCC VR-5	B	0	4	4	4	4	3	2	0	0	0
	C	0	4	4	4	4	3	2	2	0	0
	D	0	4	4	4	4	3	2	0	0	0
	E	0	4	4	4	4	3	2	2	0	0
	F	0	4	4	4	4	3	2	2	0	0
	G	0	4	4	4	4	3	2	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	50,0	0,0	0,0

Cell destruction: **VALID**

Log TCID50: **7,00** ± **0,447**

Reduction: 0,17 VALID

Data verifica Approver (*Approver verification date*): 25/05/20

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eurofins

Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Controllo sensibilità al virus *(Control of virus sensitivity)*
Adenovirus Type 5 ATCC VR-5

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
PBS	B	0	4	4	4	4	3	2	1	0	0
	C	0	4	4	4	4	3	2	1	0	0
	D	0	4	4	4	4	3	2	1	0	0
	E	0	4	4	4	4	3	2	1	0	0
	F	0	4	4	4	4	3	2	1	0	0
60 min	G	0	4	4	4	4	3	2	1	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **7,50** ± **0,000**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM	B	0	4	4	4	4	3	2	0	0	0
33,0%	C	0	4	4	4	4	3	2	1	0	0
	D	0	4	4	4	4	3	2	1	0	0
BSA 0.03% final concentration	E	0	4	4	4	4	3	2	1	0	0
	F	0	4	4	4	4	3	2	0	0	0
60 min	G	0	4	4	4	4	3	2	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	50,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **7,00** ± **0,447**
Reduction: **0,50** **VALID**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM	B	0	4	4	4	4	3	2	0	0	0
16,6%	C	0	4	4	4	4	3	2	1	0	0
	D	0	4	4	4	4	3	2	1	0	0
BSA 0.03% final concentration	E	0	4	4	4	4	3	2	1	0	0
	F	0	4	4	4	4	3	2	1	0	0
60 min	G	0	4	4	4	4	3	2	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	66,7	0,0	0,0

Cell destruction: VALID
Log TCID50: **7,17** ± **0,400**
Reduction: **0,33** **VALID**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM	B	0	4	4	4	4	3	2	1	0	0
1,66%	C	0	4	4	4	4	3	2	1	0	0
	D	0	4	4	4	4	3	2	1	0	0
BSA 0.03% final concentration	E	0	4	4	4	4	3	2	1	0	0
	F	0	4	4	4	4	3	2	1	0	0
60 min	G	0	4	4	4	4	3	2	1	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **7,50** ± **0,000**
Reduction: **0,00** **VALID**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: 28/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 16 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Test di riferimento per l'inattivazione del virus *(Reference test for virus inactivation)*

Citotossicità riferimento *(Reference Cytotoxicity)*
Hela ATCC CCL-2

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame *(Test item dilution)* 1	2	3	4	5	6	7	8	K-
Formaldeide *(Formaldehyde)*	B	0	4	3	0	0	0	0	0	0	0
0,7%	C	0	4	3	0	0	0	0	0	0	0
PBS	D	0	4	3	0	0	0	0	0	0	0
	E	0	4	3	0	0	0	0	0	0	0
	F	0	4	3	0	0	0	0	0	0	0
	G	0	4	3	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **2,50**

Virus Control *(Virus control)*
Hela ATCC CCL-2
Adenovirus Type 5 ATCC VR-5

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus *(Virus dilution)* 2	3	4	5	6	7	8	9	K-
ACQUA *(WATER)*	B	0	4	4	3	3	2	1	0	0	0
PBS	C	0	4	4	3	3	2	1	0	0	0
	D	0	4	4	3	3	2	0	0	0	0
	E	0	4	4	3	3	2	1	0	0	0
	F	0	4	4	3	3	2	1	0	0	0
0 min	G	0	4	4	3	3	2	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	66,7	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **7,17 ± 0,400**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
ACQUA *(WATER)*	B	0	4	4	3	3	1	0	0	0	0
PBS	C	0	4	4	3	3	1	0	0	0	0
	D	0	4	4	3	3	1	1	0	0	0
	E	0	4	4	3	3	1	1	0	0	0
	F	0	4	4	3	3	1	1	0	0	0
60 min	G	0	4	4	3	3	1	1	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	66,7	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **7,17 ± 0,400**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MA 26.05.20

Sigla Approver e data *(Approver signature and date)*: 28/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 17 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Test di riferimento per l'inattivazione del virus *(Reference test for virus inactivation)*
Hela ATCC CCL-2
Adenovirus Type 5 ATCC VR-5

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
Formaldeide (Formaldehyde) 0,7% PBS 30 min	B	0	4	3	0	0	0	0	0	0	0
	C	0	4	3	2	0	0	0	0	0	0
	D	0	4	3	0	0	0	0	0	0	0
	E	0	4	3	0	0	0	0	0	0	0
	F	0	4	3	2	0	0	0	0	0	0
	G	0	4	3	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: **3,83** ± **0,400**
Reduction: **3,34** ± 0,283 **PASS**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
Formaldeide *(Formaldehyde)* 0,7% PBS 60 min	B	0	4	3	0	0	0	0	0	0	0
	C	0	4	3	0	0	0	0	0	0	0
	D	0	4	3	0	0	0	0	0	0	0
	E	0	4	3	0	0	0	0	0	0	0
	F	0	4	3	0	0	0	0	0	0	0
	G	0	4	3	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **3,50** ± **0,000**
Reduction: **3,67** ± 0,200 **PASS**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26/5/20

Sigla Approver e data *(Approver signature and date)*: DM 28/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 18 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Virus Control *(Virus control)*
Hela ATCC CCL-2
Adenovirus Type 5 ATCC VR-5

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
ACQUA *(WATER)*	B	0	4	4	3	3	2	1	0	0	0
	C	0	4	4	3	3	2	1	0	0	0
BSA 0.03% final concentration	D	0	4	4	3	3	2	1	0	0	0
	E	0	4	4	3	3	2	1	0	0	0
	F	0	4	4	3	3	2	1	0	0	0
0 min	G	0	4	4	3	3	2	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	83,3	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **7,33** ± **0,346**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
ACQUA *(WATER)*	B	0	4	4	3	3	2	0	0	0	0
	C	0	4	4	3	3	2	1	0	0	0
BSA 0.03% final concentration	D	0	4	4	3	3	2	0	0	0	0
	E	0	4	4	3	3	2	1	0	0	0
	F	0	4	4	3	3	2	1	0	0	0
Maximum contact time tested	G	0	4	4	3	3	2	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	50,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **7,00** ± **0,447**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM. 26/5/20

Sigla Approver e data *(Approver signature and date)*: 28/5/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 19 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Controllo soppressione attività prodotto *(Control of suppression of product's activity)*
Hela ATCC CCL-2
Adenovirus Type 5 ATCC VR-5

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	4	3	2	1	0	0	0	0
33,0%	C	0	4	4	3	2	1	0	0	0	0
	D	0	4	4	3	2	1	0	0	0	0
BSA 0.03% final concentration	E	0	4	4	3	2	1	0	0	0	0
	F	0	4	4	3	2	1	0	0	0	0
0 min	G	0	4	4	3	2	1	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **6,50** ± **0,000**
Reduction: **0,50** **VALID**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	4	3	2	1	0	0	0	0
16,6%	C	0	4	4	3	2	1	0	0	0	0
	D	0	4	4	3	2	1	0	0	0	0
BSA 0.03% final concentration	E	0	4	4	3	2	1	0	0	0	0
	F	0	4	4	3	2	1	0	0	0	0
0 min	G	0	4	4	3	2	1	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **6,50** ± **0,000**
Reduction: **0,50** **VALID**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	4	3	2	1	0	0	0	0
1,66%	C	0	4	4	3	2	1	0	0	0	0
	D	0	4	4	3	2	1	0	0	0	0
BSA 0.03% final concentration	E	0	4	4	3	2	1	0	0	0	0
	F	0	4	4	3	2	1	0	0	0	0
0 min	G	0	4	4	3	2	1	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **6,50** ± **0,000**
Reduction: **0,50** **VALID**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico e *data (Technician signature and date)*: MM 26/05/20

Sigla Approver e data *(Approver signature and date)*: DC 28/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 20 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Procedura test *(Test procedure)*
Hela ATCC CCL-2
Adenovirus Type 5 ATCC VR-5

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
33,0%	D	0	4	0	0	0	0	0	0	0	0
	E	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	F	0	4	0	0	0	0	0	0	0	0
	G	0	4	0	0	0	0	0	0	0	0
5 min	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: 2,50 ± 0,000
Log reduction: **4,50 ± 0,224**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
16,6%	D	0	4	0	0	0	0	0	0	0	0
	E	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	F	0	4	0	0	0	0	0	0	0	0
	G	0	4	0	0	0	0	0	0	0	0
5 min	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: 2,50 ± 0,000
Log reduction: **4,50 ± 0,224**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	4	2	0	0	0	0	0	0
	C	0	4	4	2	0	0	0	0	0	0
1,66%	D	0	4	4	2	0	0	0	0	0	0
	E	0	4	4	2	0	0	0	0	0	0
BSA 0.03% final concentration	F	0	4	4	2	0	0	0	0	0	0
	G	0	4	4	2	0	0	0	0	0	0
5 min	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: 4,50 ± 0,000
Log reduction: **2,50 ± 0,224**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26/05/20

Sigla Approver e data *(Approver signature and date)*: 28/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 21 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Result summary

Attività virucida *(Virucidal activity)*
Adenovirus Type 5 ATCC VR-5

Prodotto *(Product)*	**MICRO OXIGERM**	
Sostanza interferente *(Interfering substance)*	**BSA 0.03% final concentration**	
Tempo di contatto *(Contact time)*	5 min	
Concentrazione *(Concentration)*	**Riduzione Log *(Log Reduction)***	**Status**
33,0%	4.5 ± 0.22	PASS
16,6%	4.5 ± 0.22	PASS
1,66%	2.5 ± 0.22	FAIL

Data verifica Approver (*Approver verification date*): 25/05/20

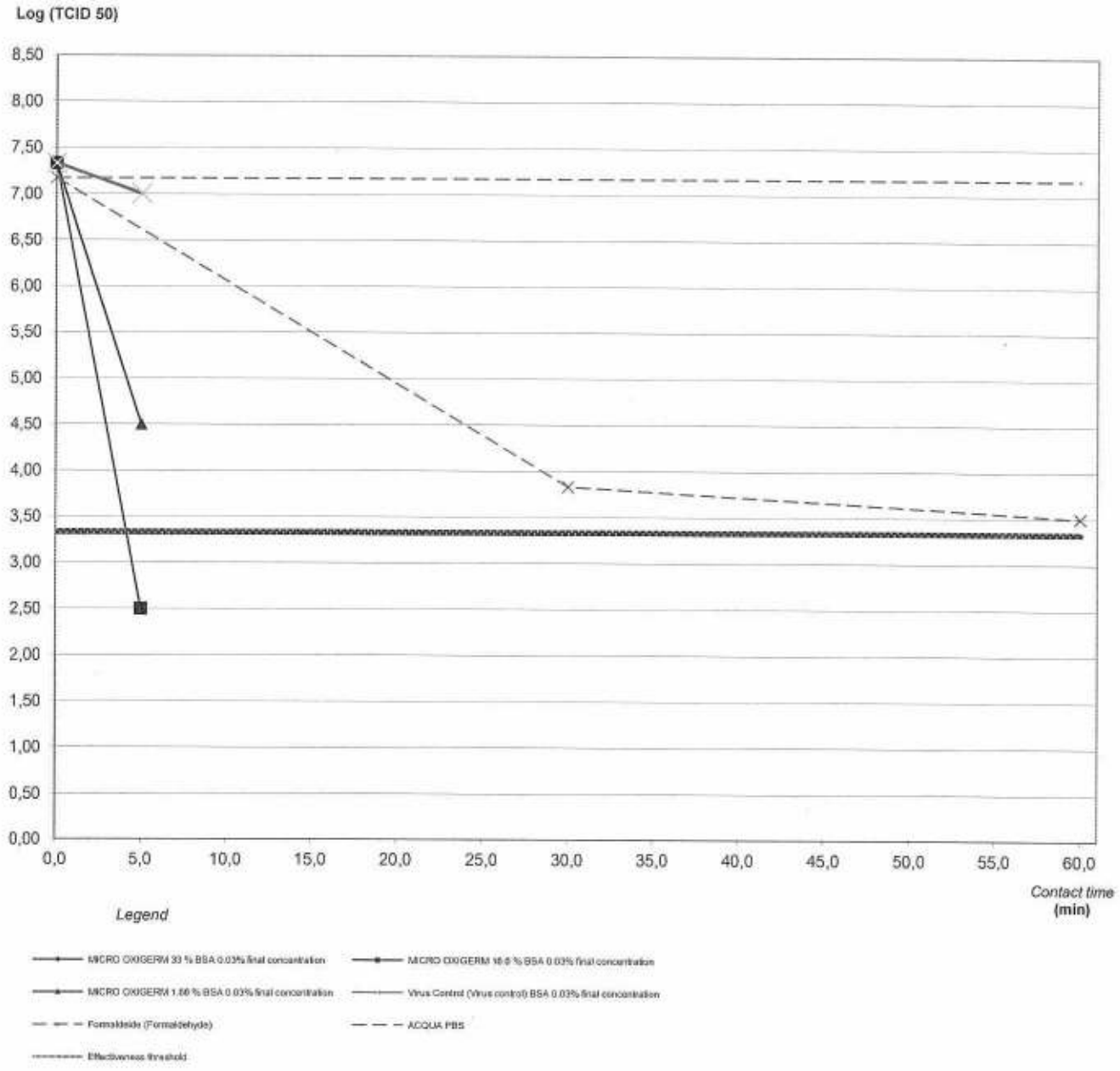
Sigla Approver e data *(Approver signature and date)*: EH 25/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 22 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 18/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Presentazione grafica del saggio *(Graphic presentation of test)*
Adenovirus Type 5 ATCC VR-5



Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Approver e data *(Approver signature and date)*: 23/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 23 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Citotossicità *(Cytotoxicity)*
RAW 264.7 ATCC TIB-71

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame *(Test item dilution)* 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM	B	0	4	4	0	0	0	0	0	0	0
33,0%	C	0	4	4	0	0	0	0	0	0	0
	D	0	4	4	0	0	0	0	0	0	0
RAW 264.7 ATCC TIB-71	E	0	4	4	0	0	0	0	0	0	0
	F	0	4	4	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	4	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **2,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM	B	0	4	4	0	0	0	0	0	0	0
16,6%	C	0	4	4	0	0	0	0	0	0	0
	D	0	4	4	0	0	0	0	0	0	0
RAW 264.7 ATCC TIB-71	E	0	4	4	0	0	0	0	0	0	0
	F	0	4	4	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	4	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **2,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
1,66%	C	0	4	0	0	0	0	0	0	0	0
	D	0	4	0	0	0	0	0	0	0	0
RAW 264.7 ATCC TIB-71	E	0	4	0	0	0	0	0	0	0	0
	F	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	0	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **1,50**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: 28/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 24 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Citotossicità dopo filtrazione *(Cytotoxicity after filtration)*
RAW 264.7 ATCC TIB-71

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
33,0%	D	0	4	0	0	0	0	0	0	0	0
RAW 264.7 ATCC TIB-71	E	0	4	0	0	0	0	0	0	0	0
	F	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	0	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **1,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
16,6%	D	0	4	0	0	0	0	0	0	0	0
RAW 264.7 ATCC TIB-71	E	0	4	0	0	0	0	0	0	0	0
	F	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	G	0	4	0	0	0	0	0	0	0	0
	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **1,50**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame (Test item dilution)								K-
			1	2	3	4	5	6	7	8	
MICRO OXIGERM	B	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0
1,66%	D	0	0	0	0	0	0	0	0	0	0
RAW 264.7 ATCC TIB-71	E	0	0	0	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	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: **0,50**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: [illegible] 28/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 25 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Murine norovirus (MNV, strain S99) RVB-651

Titolazione virus *(Virus Titration)*

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus *(Virus dilution)* 1	2	3	4	5	6	7	8	K-
Murine norovirus (MNV, strain S99) RVB-651	B	0	4	4	4	3	3	2	0	0	0
	C	0	4	4	4	3	3	2	0	0	0
	D	0	4	4	4	3	3	2	0	0	0
	E	0	4	4	4	3	3	2	0	0	0
	F	0	4	4	4	3	3	2	0	0	0
	G	0	4	4	4	3	3	2	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0

Cell destruction: **VALID**

Log TCID50: **6,50** ± **0,000**

Titolazione virale dopo filtrazione *(Virus Titration after filtration)*

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
Murine norovirus (MNV, strain S99) RVB-651	B	0	4	4	4	3	2	2	0	0	0
	C	0	4	4	4	3	2	2	0	0	0
	D	0	4	4	4	3	2	2	0	0	0
	E	0	4	4	4	3	2	2	0	0	0
	F	0	4	4	4	3	2	2	0	0	0
	G	0	4	4	4	3	2	2	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0

Cell destruction: **VALID**

Log TCID50: **6,50** ± **0,000**

Reduction: 0,00 VALID

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: [illegible] 28/05/20

eurofins

Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Controllo sensibilità al virus *(Control of virus sensitivity)*
Murine norovirus (MNV, strain S99) RVB-651

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
PBS	B	0	4	4	3	3	2	2	0	0	0
	C	0	4	4	3	3	2	2	0	0	0
	D	0	4	4	3	3	2	2	0	0	0
	E	0	4	4	3	3	2	2	0	0	0
	F	0	4	4	3	3	2	2	0	0	0
	G	0	4	4	3	3	2	2	0	0	0
60 min	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,50** ± **0,000**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM 33,0% BSA 0.03% final concentration	B	0	4	4	3	3	2	0	0	0	0
	C	0	4	4	3	3	2	0	0	0	0
	D	0	4	4	3	3	2	1	0	0	0
	E	0	4	4	3	3	2	1	0	0	0
	F	0	4	4	3	3	2	0	0	0	0
	G	0	4	4	3	3	2	0	0	0	0
60 min	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	33,3	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **5,83** ± **0,400**
Reduction: **0,67** **VALID**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM 16,6% BSA 0.03% final concentration	B	0	4	4	3	3	2	0	0	0	0
	C	0	4	4	3	3	2	0	0	0	0
	D	0	4	4	3	3	2	0	0	0	0
	E	0	4	4	3	3	2	1	0	0	0
	F	0	4	4	3	3	2	1	0	0	0
	G	0	4	4	3	3	2	1	0	0	0
60 min	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	50,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,00** ± **0,447**
Reduction: **0,50** **VALID**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 1	2	3	4	5	6	7	8	K-
MICRO OXIGERM 1,66% BSA 0.03% final concentration	B	0	4	4	3	3	2	1	0	0	0
	C	0	4	4	3	3	2	1	0	0	0
	D	0	4	4	3	3	2	1	0	0	0
	E	0	4	4	3	3	2	0	0	0	0
	F	0	4	4	3	3	2	0	0	0	0
	G	0	4	4	3	3	2	0	0	0	0
60 min	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	50,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,00** ± **0,447**
Reduction: **0,50** **VALID**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: 28/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 27 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Test di riferimento per l'inattivazione del virus *(Reference test for virus inactivation)*

Citotossicità riferimento *(Reference Cytotoxicity)*
RAW 264.7 ATCC TIB-71

Condizioni testate *(Test condition)*	Replica	K-	Diluizione sostanza in esame *(Test item dilution)*								K-
			1	2	3	4	5	6	7	8	
Formaldeide *(Formaldehyde)*	B	0	4	4	0	0	0	0	0	0	0
0,7%	C	0	4	4	0	0	0	0	0	0	0
PBS	D	0	4	4	0	0	0	0	0	0	0
	E	0	4	4	0	0	0	0	0	0	0
	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	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **2,50**

Virus Control *(Virus control)*
RAW 264.7 ATCC TIB-71
Murine norovirus (MNV, strain S99) RVB-651

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus *(Virus dilution)*								K-
			2	3	4	5	6	7	8	9	
ACQUA *(WATER)*	B	0	4	4	4	4	2	0	0	0	0
PBS	C	0	4	4	4	4	2	0	0	0	0
	D	0	4	4	4	4	2	0	0	0	0
	E	0	4	4	4	4	2	0	0	0	0
	F	0	4	4	4	4	2	0	0	0	0
0 min	G	0	4	4	4	4	2	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **6,50** ± **0,000**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution)								K-
			2	3	4	5	6	7	8	9	
ACQUA *(WATER)*	B	0	4	4	4	3	1	0	0	0	0
PBS	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	3	1	0	0	0	0
	F	0	4	4	4	3	1	0	0	0	0
60 min	G	0	4	4	4	3	0	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	50,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **6,00** ± **0,447**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: [illegible] 25/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 28 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Test di riferimento per l'inattivazione del virus *(Reference test for virus inactivation)*
RAW 264.7 ATCC TIB-71
Murine norovirus (MNV, strain S99) RVB-651

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
Formaldeide (Formaldehyde) 0,7% PBS 30 min	B	0	4	4	2	0	0	0	0	0	0
	C	0	4	4	2	0	0	0	0	0	0
	D	0	4	4	2	0	0	0	0	0	0
	E	0	4	4	2	0	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	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **4,50** ± **0,000**
Reduction: **1,50** ± 0,000 **PASS**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
Formaldeide *(Formaldehyde)* 0,7% PBS 60 min	B	0	4	4	0	0	0	0	0	0	0
	C	0	4	4	0	0	0	0	0	0	0
	D	0	4	4	0	0	0	0	0	0	0
	E	0	4	4	0	0	0	0	0	0	0
	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	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: **3,50** ± **0,000**
Reduction: **2,50** ± 0,000 **PASS**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MA 16.05.20

Sigla Approver e data *(Approver signature and date)*: [illegible] 25/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 29 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Virus Control *(Virus control)*
RAW 264.7 ATCC TIB-71
Murine norovirus (MNV, strain S99) RVB-651

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
ACQUA *(WATER)*	B	0	4	4	4	4	3	0	0	0	0
	C	0	4	4	4	4	3	0	0	0	0
	D	0	4	4	4	4	3	0	0	0	0
BSA 0.03% final concentration	E	0	4	4	4	4	3	0	0	0	0
	F	0	4	4	4	4	3	0	0	0	0
	G	0	4	4	4	4	3	0	0	0	0
0 min	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,50** ± **0,000**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
ACQUA *(WATER)*	B	0	4	4	4	4	3	0	0	0	0
	C	0	4	4	4	4	3	0	0	0	0
	D	0	4	4	4	4	3	0	0	0	0
BSA 0.03% final concentration	E	0	4	4	4	4	3	0	0	0	0
	F	0	4	4	4	4	3	0	0	0	0
	G	0	4	4	4	4	3	0	0	0	0
Maximum contact time tested	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,50** ± **0,000**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26-05-20

Sigla Approver e data *(Approver signature and date)*: 25/05/20

eurofins

Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Controllo soppressione attività prodotto *(Control of suppression of product's activity)*
RAW 264.7 ATCC TIB-71
Murine norovirus (MNV, strain S99) RVB-651

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	4	3	2	2	0	0	0	0
33,0%	C	0	4	4	3	2	2	0	0	0	0
BSA 0.03% final concentration	D	0	4	4	3	2	2	0	0	0	0
	E	0	4	4	3	2	0	0	0	0	0
	F	0	4	4	3	2	2	0	0	0	0
0 min	G	0	4	4	3	2	2	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	83,3	0,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,33** ± **0,346**
Reduction: **0,17** **VALID**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	4	3	2	0	0	0	0	0
16,6%	C	0	4	4	3	2	2	0	0	0	0
BSA 0.03% final concentration	D	0	4	4	3	2	2	0	0	0	0
	E	0	4	4	3	2	2	0	0	0	0
	F	0	4	4	3	2	2	0	0	0	0
0 min	G	0	4	4	3	2	2	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	83,3	0,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,33** ± **0,346**
Reduction: **0,17** **VALID**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	4	3	3	3	0	0	0	0
1,66%	C	0	4	4	3	3	3	0	0	0	0
BSA 0.03% final concentration	D	0	4	4	3	3	3	0	0	0	0
	E	0	4	4	3	3	3	0	0	0	0
	F	0	4	4	3	3	3	0	0	0	0
0 min	G	0	4	4	3	3	3	0	0	0	0
	Endpoint	0,0	100,0	100,0	100,0	100,0	100,0	0,0	0,0	0,0	0,0

Cell destruction: VALID
Log TCID50: **6,50** ± **0,000**
Reduction: **0,00** **VALID**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico *e data (Technician signature and date)*: MM 26.05.20

Sigla Approver e data *(Approver signature and date)*: GR 26/05/20

eurofins

Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica

(Quantitative suspension test for the evaluation of virucidal activity in the medical area)

Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019

EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20

Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1

ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Procedura test *(Test procedure)*
RAW 264.7 ATCC TIB-71
Murine norovirus (MNV, strain S99) RVB-651

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
33,0%	D	0	4	0	0	0	0	0	0	0	0
	E	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	F	0	4	0	0	0	0	0	0	0	0
	G	0	4	0	0	0	0	0	0	0	0
5 min	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: 2,50 ± 0,000
Log reduction: **4,00 ± 0,000**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	0	0	0	0	0	0	0	0
	C	0	4	0	0	0	0	0	0	0	0
16,6%	D	0	4	0	0	0	0	0	0	0	0
	E	0	4	0	0	0	0	0	0	0	0
BSA 0.03% final concentration	F	0	4	0	0	0	0	0	0	0	0
	G	0	4	0	0	0	0	0	0	0	0
5 min	Endpoint	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Cell destruction: **VALID**
Log TCID50: 2,50 ± 0,000
Log reduction: **4,00 ± 0,000**

Condizioni testate *(Test condition)*	Replica	K-	Diluizione virus (Virus dilution) 2	3	4	5	6	7	8	9	K-
MICRO OXIGERM	B	0	4	3	2	0	0	0	0	0	0
	C	0	4	3	0	0	0	0	0	0	0
1,66%	D	0	4	3	2	0	0	0	0	0	0
	E	0	4	3	2	0	0	0	0	0	0
BSA 0.03% final concentration	F	0	4	3	0	0	0	0	0	0	0
	G	0	4	3	0	0	0	0	0	0	0
5 min	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: 4,00 ± 0,447
Log reduction: **2,50 ± 0,224**

Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Tecnico e *data (Technician signature and date)*: MM 26/05/20

Sigla Approver e data *(Approver signature and date)*: 29/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 32 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Result summary

Attività virucida *(Virucidal activity)*
Murine norovirus (MNV, strain S99) RVB-651

Prodotto *(Product)*	**MICRO OXIGERM**	
Sostanza interferente *(Interfering substance)*	**BSA 0.03% final concentration**	
Tempo di contatto *(Contact time)*	5 min	
Concentrazione *(Concentration)*	**Riduzione Log *(Log Reduction)***	**Status**
33,0%	4 ± 0	PASS
16,6%	4 ± 0	PASS
1,66%	2.5 ± 0.22	FAIL

Data verifica Approver (*Approver verification date*): 25/05/20

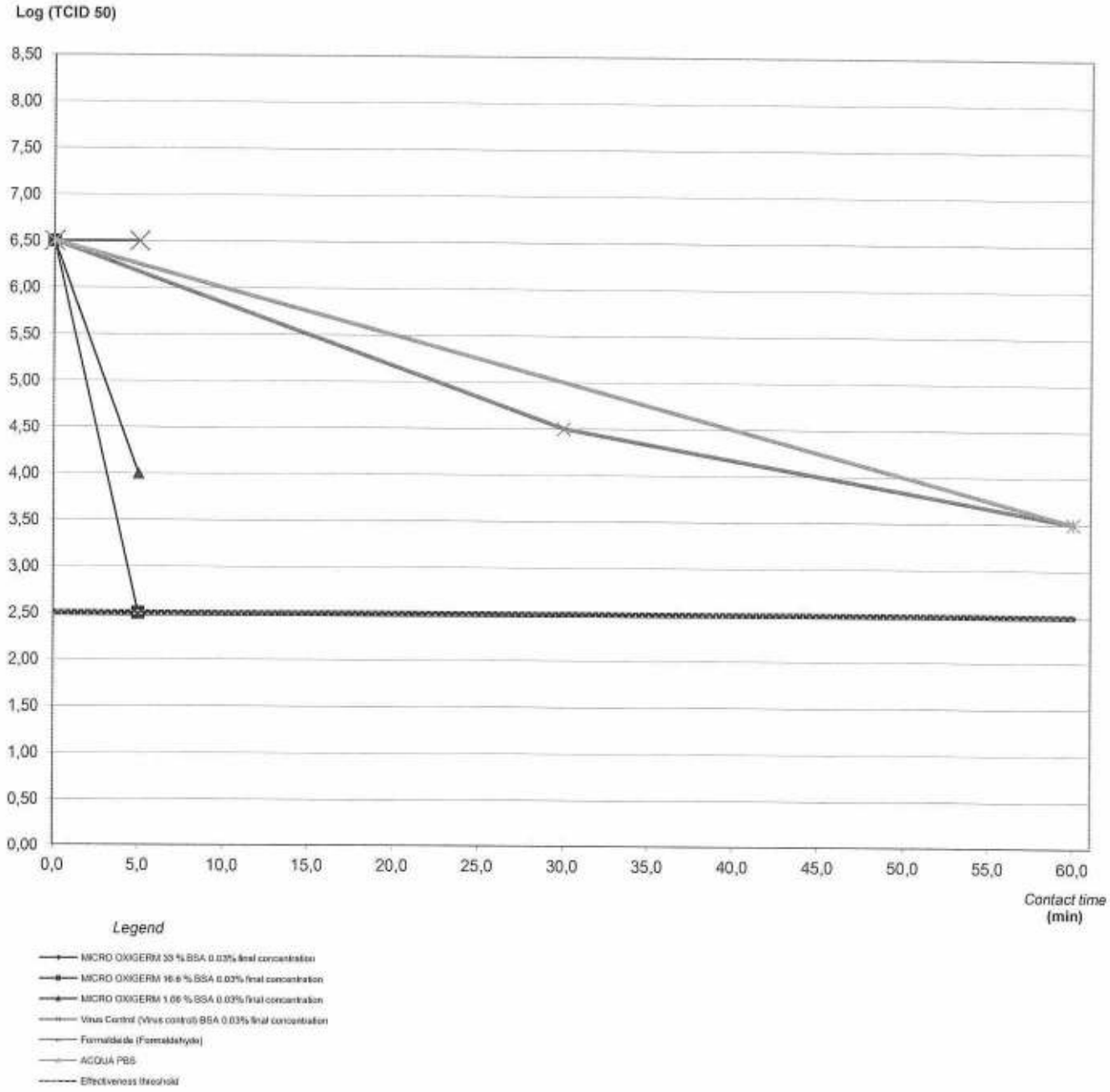
Sigla Approver e data *(Approver signature and date)*: 23/05/20

eurofins	Prova quantitativa in sospensione per la valutazione dell'attività virucida in area medica *(Quantitative suspension test for the evaluation of virucidal activity in the medical area)* Norma (Standard): EN14476:2013+A2:2019 / UNI EN 14476:2019	Pagina *(Page)* 33 / 33 EDR: 1-P-QM-TEM-9081579

Data inizio *(Started on)*: 12/05/20 Data fine sperimentazione (*Experimentation finished on*): 15/05/20

Rapporto No *(Report No)*: STULV20AA2201-1 ID Campione *(ID sample)*: LV-MAT-FOV7-20-119-0919:a

Presentazione grafica del saggio *(Graphic presentation of test)*
Murine norovirus (MNV, strain S99) RVB-651



Data verifica Approver (*Approver verification date*): 25/05/20

Sigla Approver e data *(Approver signature and date)*: 25/05/20