



FONdation pour le  
DÉveloppement de la  
REcherche  
PHARMaceutique

Système de management de la qualité  
Certifié ISO 9001

Reference 20-2657/20-2658

**CERTIFICATE OF ANALYSIS**

**Society :** PYLOTE  
**Address :** 22 Avenue de la Mouysagüèse  
31280 Dremil-Lafage  
FRANCE

To the attention of : LOIC MARCHIN

<b>Customer Reference:</b>	Coversafe Film (Film Gerg. ADD)
<b>Fonderephar Sample Reference:</b>	20-2658-2 / 20-2657 - 2
<b>Date os sample receipt:</b>	May 25 <sup>th</sup> , 2020
<b>Date of sample analysis:</b>	May - June 2020
<b>Date of certificate of analysis:</b>	June 8 <sup>th</sup> , 2020

**Test**

Evaluation of antimicrobial efficiency based on JIS Z2801 : 2010 for bacteria

**Results:** The results are given as log reduction R, corresponding to the value of antimicrobial activity

*Escherichia coli CIP 53.126*      R = 5,75 (after a contact time 24H)

**Test**

Evaluation of antivirucidal activity according to the methodology based on ISO 21702 : 2019 for virus

**Results:** The results are given as log reduction R, corresponding to the value of antivirucidal activity

*Coronavirus Humain 229E*      R = 0,98 (after a contact time 1H)  
R = 3,28 (after a contact time 24H)

Certified by Catherine FEUILLOLAY and Laila HADDIOUI  
Test Managers



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FONdation pour le  
DEveloppement de la  
REcherche  
PHARmaceutique

Système de management de la qualité

Certifié ISO 9001

Reference 20-2663

### CERTIFICATE OF ANALYSIS

**Society :** PYLOTE  
**Address :** 22 Avenue de la Mouyssagüese  
31280 Dremil-Lafage  
FRANCE

**To the attention of :** LOIC MARCHIN

Customer Reference:	Coversafe Film (Film Gerg. ADD)
Fonderephar Samples Reference:	20-2663-2/20-2663-3/20-2663-4/20-2663-5
Date of sample receipt:	June 2 <sup>nd</sup> , 2020
Date of sample analysis:	June 2020
Date of certificate of analysis:	June 17 <sup>th</sup> , 2020

#### Test

Evaluation of antimicrobial efficiency based on JIS Z2801 : 2010 for bacteria

**Results:** The results are given as log reduction R, corresponding to the value of antimicrobial activity after a contact time 24H

*Escherichia coli* CIP 53.126

R = 5,86 without wash  
R = 5,86 after 100 washes with isopropilic alcohol  
R = 5,86 after 100 washes with detergent with bleach  
R = 5,86 after 100 washes with Surfanios Premium

Certified by Catherine FEUILLOLAY  
Test Manager



**FON**dation pour le  
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**PHAR**maceutique

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Certifié ISO 9001

Toulouse, June 4<sup>th</sup> 2020

## STUDY 20-2657

### EVALUATION OF THE VIRUCIDAL ACTIVITY OF NON-POROUS SURFACES AGAINST HUMAN CORONAVIRUS 229E ACCORDING TO THE METHODOLOGY OF STANDARD ISO 21702 MAY 2019

**Client**

PYLÔTE SAS  
22, Avenue de la Mouyssaguèse  
31280 DREMIL LAFAGE

**Test laboratory**

FONDREPHAR  
Faculté des Sciences Pharmaceutiques  
35 Chemin des Maraîchers  
31062 TOULOUSE cedex 9  
FRANCE

Dr Laïla HADDIOUI  
Assay Manager

Dr Jocelyne BACARIA  
Quality Manager

**I - IDENTIFICATION OF SAMPLE**

- Product name:	Film Gerg. Standard
- Reference:	Film N°3 STD A.CO
- Batch:	Film N°3 du 20.05.2020
- Date of receipt :	05-25-2020
- Internal code :	20-2657-1
- Product name :	Coversafe Film (Film Ger. ADD)
- Reference:	Film N°1 A.CO ADD2
- Batch:	Film N°3 du 20.05.2020
- Date of receipt :	05-25-2020
- Internal code :	20-2657-2
- Promotor :	PYLOTE
- Period of testing :	May- June 2020

**II -VIRUS TEST:****II-1 Human Coronavirus**

Name:	Human Coronavirus 229E
Origin:	ATCC
Reference:	VR-740
Supplier batch number:	58505270
Internal batch number:	SS-2-081216 (Passage N°2)

**II-2- Recipient cells**

Name:	Vero Cells
Origin:	ATCC
Reference:	CCI-81
Supplier batch number:	3372621
Internal batch number:	WCB-090708 (Passages N°24)

**III - EXPERIMENTAL CONDITIONS**

- Contact times: 20 minutes, 60 minutes et 24 hours
- Test temperature:  $36^{\circ}\text{C} \pm 1^{\circ}\text{C}$

## IV- IV- TEST METHOD

### IV-1 Contact virus/Pieces

- Each sample (50mm/50mm) submitted to the test is placed in a sterile glass Petri dish.
- 400 µl of the previously adjusted viral film is added to the piece.
- The viral film is covered by a glass lamella

### IV-2 Viral film recovery

After each incubation, the viral film is recovered by adding 2.6 ml of culture medium by gentle scraping with a cell scraper.

The titration of the residual viable viruses is then carried out immediately.

### IV-3 Viral Load

The titration technique is the one indicated in standard NF EN 14476 + A2 (July 2019).

Dilutions of ratio 4 of the viral suspensions are carried out in the cell culture medium in neutral glass tubes in order to limit the phenomena of virus adsorption on the surfaces.

Titration is performed on 96-well microplates. Each dilution is performed 8 times.

### IV-4 viral load calculation

The assay was performed by the microplate method of suspension cells. The cytopathic effect was determined at least 4 days of culture.

The number of infectious units is estimated by the SPEARMAN-KÄRBER method by calculating the negative logarithm of the 50% limit point ( $\text{lgDICT}_{50}$ ) using the following formula:

$\text{lgDICT}_{50} = \text{Negative logarithm of the highest concentration of virus used} - [(\text{Sum of \% assigned to each dilution}/100 - 0.5) \times (\text{lg of dilution})]$

## V- RESULTS

### V-1 Contact time 20 min

#### V-1-1 Test validation

##### Control T0 :

- Control 1:  $\text{lg DICT}_{50} = 3.98$
- Control 2 :  $\text{lg DICT}_{50} = 4.20$
- Control 3 :  $\text{lg DICT}_{50} = 4.13$

Average  $\text{lg DICT}_{50}$  Control T0 = 4.10

Maximum viral load - Minimum viral load = 0.02

Average of the 3 viral loads.

The loads ( $\text{lg TCID}_{50}$ ) of the 3 tests at T0 must be homogeneous.

Maximum viral load - Minimum viral load / Average of the 3 viral loads  $\leq 0.2$ .

**Control T20 min :**

- Control 1 : Ig DICT<sub>50</sub> = 4.43
- Control 2 : Ig DICT<sub>50</sub> = 4.35
- Control 3 : Ig DICT<sub>50</sub> = 4.43

**Average Ig DICT<sub>50</sub> Control 20 min = 4.40**

Maximum viral load - Minimum viral load = 0.05

Average of the 3 viral loads.

The loads (lg TCID50) of the 3 tests at T20 min must be homogeneous.

Maximum viral load - Minimum viral load / Average of the 3 viral loads ≤ 0.2.

**V-1-2 Test**

- Test 1 : Ig DICT<sub>50</sub> = 4.35
- Test 2 : Ig DICT<sub>50</sub> = 4.13
- Test 3 : Ig DICT<sub>50</sub> = 3.83

**Average Ig DICT<sub>50</sub> test = 4.10**

R = Average Ig DICT<sub>50</sub> test 20 min - Average Ig DICT<sub>50</sub> control 20 min = 0.30 lg

**V-2 Contact time 60 min****V-2-1 Test validation****Control T0 :**

- Control 1 : Ig DICT<sub>50</sub> = 3.98
- Control 2 : Ig DICT<sub>50</sub> = 4.20
- Control 3 : Ig DICT<sub>50</sub> = 4.13

**Average Ig DICT<sub>50</sub> T0 = 4.10**

Maximum viral load - Minimum viral load = 0.05

Average of the 3 viral loads.

The loads (lg TCID50) of the 3 tests at T0 min must be homogeneous.

Maximum viral load - Minimum viral load / Average of the 3 viral loads ≤ 0.2.

**Control T60 min :**

- Control 1 : Ig DICT<sub>50</sub> = 4.43
- Control 2 : Ig DICT<sub>50</sub> = 4.50
- Control 3 : Ig DICT<sub>50</sub> = 4.50

**Average Ig DICT<sub>50</sub> Control 60 min = 4.48**

Maximum viral load - Minimum viral load = 0.02

Average of the 3 viral loads.

The loads (lg TCID50) of the 3 tests at T60 min must be homogeneous.

Maximum viral load - Minimum viral load / Average of the 3 viral loads ≤ 0.2.

## V-2-2 Test

- Test 1 : Ig DICT<sub>50</sub> = 3.45
- Test 2 : Ig DICT<sub>50</sub> = 3.45
- Test 3 : Ig DICT<sub>50</sub> = 3.60

**Average Ig DICT<sub>50</sub> Test = 3.50**

R = Average Ig DICT<sub>50</sub> test 60 min - Average Ig DICT<sub>50</sub> control 60 min = 0.98 lg

## V-3 Contact time 24 hours

### V-3-1 test validation

#### Control T0 :

- Control 1 : Ig DICT<sub>50</sub> = 3.98
- Control 2 : Ig DICT<sub>50</sub> = 4.20
- Control 3 : Ig DICT<sub>50</sub> = 4.13

**Average Ig DICT<sub>50</sub> T0 = 4.10**

Maximum viral load - Minimum viral load = 0.05

Average of the 3 viral loads.

The loads (lg TCID50) of the 3 tests at T0 must be homogeneous.

Maximum viral load - Minimum viral load / Average of the 3 viral loads ≤ 0.2.

#### Control T24 hours :

- Control 1 : Ig DICT<sub>50</sub> = 4.35
- Control 2 : Ig DICT<sub>50</sub> = 4.13
- Control 3 : Ig DICT<sub>50</sub> = 4.05

**Average Ig DICT<sub>50</sub> Control 24 hours = 4.18**

Maximum viral load - Minimum viral load = 0.07

Average of the 3 viral loads.

The loads (lg TCID<sub>50</sub>) of the 3 tests at T24 hours must be homogeneous.  
Maximum viral load - Minimum viral load / Average of the 3 viral loads ≤ 0.2.

## V-2-2 Test

- Test 1 : lg DICT<sub>50</sub> = 0.90
- Test 2 : lg DICT<sub>50</sub> = 0.90
- Test 3 : lg DICT<sub>50</sub> = 0.90

Average lg DICT<sub>50</sub> test = 0.90

R = Average lg DICT<sub>50</sub> test 24 hours - Average lg DICT<sub>50</sub> control 24 hours = 3.28 log

## VI-CONCLUSION

According to the methodology of the ISO 21702 standard (May 2019), the contact of the Coversafe Film (Film Ger. ADD) with the strain of human Coronavirus 229E

Batch N°3 of 20/05/2020 induced:

- A reduction of the log viral load of 0.30 lg at 20 min contact time.
- A reduction of the viral load 0.98 lg at contact time 60 min.
- A viral load reduction of 3.28 lg at 24 hours contact time.



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Study 20-2658 - Coversafe Film (FILM Gerg. ADD) - RM

Toulouse, June 16<sup>th</sup> 2020

## STUDY 20 - 2658M

This report supersedes the precedent one (June 2<sup>nd</sup> 2020)

**ANTIBACTERIAL PRODUCTS  
TEST FOR ANTIBACTERIAL ACTIVITY AND EFFICACY  
*Escherichia coli* CIP 53.126**

According to the methodology of standard JIS Z 2801: 2010

**Client**  
PYLOTE  
22 Avenue de la Mouyssaguèse  
31280 Dremil-Lafage  
FRANCE

**Test laboratory**  
FONDÉREPHAR  
Faculté des Sciences Pharmaceutiques  
35 Chemin des Maraîchers  
31062 TOULOUSE cedex 9  
FRANCE

Dr Catherine FEUILLOLAY  
Assay Manager

Dr Jocelyne BACARIA  
Quality Manager

JIS Z 2801 : 2010. Antimicrobial products - Test for antimicrobial activity and efficacy.

### 1. Laboratory Test

FONDEREPHAR  
Faculté des Sciences Pharmaceutiques  
35 chemin des Maraîchers  
31062 Toulouse cedex 9  
France

### 2. Identification of samples

Product's name : **Untreated test pieces - Film Gerg. Standard**

Reference : **FILM N°3 STD A.CO**

Batch: **FILM N°3 - 20.05.2020**

Date of receipt : **May/25/2020**

Internal code : **20-2658-1**

Product's name : **Treated test pieces - Coversafe Film (Film Gerg. ADD)**

Reference : **FILM N°1 A.CO ADD**

Batch: **FILM N°3 - 20.05.2020**

Date of receipt : **May/25/2020**

Internal code : **20-2658-2**

Promotor : **PYLOTE**

Period of testing : **May 2020**

### 3. Experimental Conditions

#### \* Test Microorganism :

*Escherichia coli* CIP 53.126

#### \* Preparation of test pieces :

Test pieces (untreated and treated) were firstly treated with ethanol, rinsed with distilled sterile water, and then dried under microbiological safety cabinet before the test.

During the test, the inoculum was covered by a film (hydrophobic character of pieces)

0,4 mL of test inoculum have been put onto each test piece (= final concentration  $10^5$  CFU/piece).

\* Culture medium :

The inoculum was prepared in 1/500 Nutrient Broth (Internal preparation - Batch 9409 Exp. June/02/2020).

The recovery solution used was SCDLP (Internal preparation - Batch 9364 Exp. June/04/2020).

The dilutions have been performed in PBS (SIGMA - Batch RNBJ0743 Exp. Dec/2021).

\* Agar Medium

Tryptic-soy agar (Biomérieux - Batch 1007893660 Exp. Aug/15/2021).

\* Microorganism recovery

- Untreated and Treated pieces: deposition of each piece in a sterile flask + 10mL SCDLP + sterile glass beads. Manual mix for 1 minute.

\* Conditions of the test

- Temperature during the contact :  $36 \pm 1^\circ\text{C}$
- Relative humidity : > 90%
- Contact time : 24 hours

The test has been performed three times.

#### 4. Results

##### - Untreated pieces (Area : 16 cm<sup>2</sup>)

Inoculum/piece :  $1,56 \cdot 10^5$  CFU =  $0,98 \cdot 10^4$  CFU/cm<sup>2</sup>

Untreated pieces	CFU	CFU/cm <sup>2</sup>	log CFU	log CFU/cm <sup>2</sup>
T0 - 1	$1,39 \cdot 10^5$	$8,69 \cdot 10^3$	5,14	3,94
T0 - 2	$1,52 \cdot 10^5$	$9,50 \cdot 10^3$	5,18	3,98
T0 - 3	$1,38 \cdot 10^5$	$8,63 \cdot 10^3$	5,14	3,94
Mean (U0=CFU/cm <sup>2</sup> )			5,15	3,95

Test validation :

$$(L_{max} - L_{min}) / (L_{mean}) \leq 0,2$$

Number of viable bacteria shall be within the range  $1,0 \times 10^5$  et  $4,0 \times 10^5$  CFU / 16 cm<sup>2</sup>

Untreated pieces	CFU	CFU/cm <sup>2</sup>	log CFU	log CFU/cm <sup>2</sup>
T24h - 1	$1,01 \cdot 10^7$	$6,31 \cdot 10^5$	7,00	5,80
T24h - 2	$7,80 \cdot 10^6$	$4,88 \cdot 10^5$	6,89	5,69
T24h - 3	$9,50 \cdot 10^6$	$5,94 \cdot 10^5$	6,98	5,77
Mean (U <sub>t</sub> =CFU/cm <sup>2</sup> )			6,96	5,75

Control / Petri dish	CFU	CFU/cm <sup>2</sup>	log CFU	log CFU/cm <sup>2</sup>
T24h	$8,90 \cdot 10^6$	$5,56 \cdot 10^5$	6,95	5,75

##### - Treated pieces (Area : 16 cm<sup>2</sup>)

Treated pieces	CFU	CFU/cm <sup>2</sup>	log CFU	log CFU/cm <sup>2</sup>
E24h - 1	< 10	< 1	< 1,00	0
E24h - 2	< 10	< 1	< 1,00	0
E24h - 3	< 10	< 1	< 1,00	0
Mean (A <sub>t</sub> =CFU/cm <sup>2</sup> )			< 1,00	0

#### 5. Conclusion

The antibacterial activity (R) is based on logarithmic reduction/cm<sup>2</sup> of *E. coli* CIP 53.126 strain between standard and antimicrobial surfaces after 24H of contact according to the following matrix:

$$R = (U_t - U_0) - (A_t - U_0) = U_t - A_t$$

Antimicrobial activity	Result (log CFU/cm <sup>2</sup> )	Specifications (log CFU/cm <sup>2</sup> ) JIS Z2801 :2010
Coversafe Film (FILM Gerg. ADD)	5,75	> 2



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Toulouse, June 16<sup>th</sup> 2020

## STUDY 20 - 2663 - A

**ANTIBACTERIAL PRODUCTS**  
**TEST FOR ANTIBACTERIAL ACTIVITY AND EFFICACY**  
*Escherichia coli CIP 53.126*  
**According to the methodology of standard JIS Z 2801: 2010**

**Client**  
PYLOTE  
22 Avenue de la Mouyssaguèse  
31280 Dremil-Lafage  
FRANCE

**Test laboratory**  
FONDÉREPHAR  
Faculté des Sciences Pharmaceutiques  
35 Chemin des Maraîchers  
31062 TOULOUSE cedex 9  
FRANCE

Dr Catherine FEUILLOLAY  
Assay Manager

Dr Jocelyne BACARIA  
Quality Manager

JIS Z 2801 : 2010. Antimicrobial products - Test for antimicrobial activity and efficacy.

**1. Laboratory Test**

FONDEREPHAR  
 Faculté des Sciences Pharmaceutiques  
 35 chemin des Maraîchers  
 31062 Toulouse cedex 9  
 France

**2. Identification of samples**

**Product's name :** **Untreated test pieces - Film Gerg. Standard**

**Reference :** FILM N°3 STD A.CO  
**Batch:** FILM N°3 - 20.05.2020  
**Date of receipt :** May/25/2020  
**Internal code :** 20-2663-1

**Product's name :** **Treated test pieces - Coversafe Film (Film Gerg. ADD) without wash**

**Reference :** 2000521/1  
**Batch:** Not indicated  
**Date of receipt :** June/02/2020  
**Internal code :** 20-2663-2

**Product's name :** **Treated test pieces**

**Coversafe Film (Film Gerg. ADD) Isopropilic alcohol washes (100 times)**  
**Reference :** 2000521/1 + 100 washes  
**Batch:** Not indicated  
**Date of receipt :** June/02/2020  
**Internal code :** 20-2663-3

**Product's name :** **Treated test pieces**

**Coversafe Film (Film Gerg. ADD) detergent with bleach washes (100 times)**  
**Reference :** 2000521/1 + 100 washes  
**Batch:** Not indicated  
**Date of receipt :** June/02/2020  
**Internal code :** 20-2663-4

**Product's name :** **Treated test pieces**

**Coversafe Film (Film Gerg. ADD) Surfanios Premium washes (100 times)**  
**Reference :** 2000521/1 + 100 washes  
**Batch:** Not indicated  
**Date of receipt :** June/02/2020  
**Internal code :** 20-2663-5

**Promotor :** PYLOTE

**Period of testing :** June 2020

### 3. Experimental Conditions

#### \* Test Microorganism :

*Escherichia coli* CIP 53.126

#### \* Preparation of test pieces :

Test pieces (untreated and treated) were firstly treated with ethanol, rinsed with distilled sterile water, and then dried under microbiological safety cabinet before the test.

During the test, the inoculum was covered by a film (hydrophobic character of pieces)

0,4 mL of test inoculum have been put onto each test piece (= final concentration  $10^5$  CFU/piece).

#### \* Culture medium :

The inoculum was prepared in 1/500 Nutrient Broth (Internal preparation - Batch 9436 Exp. June/10/2020).

The recovery solution used was SCDLP (Internal preparation - Batch 9434 Exp. July/03/2020).

The dilutions have been performed in PBS (SIGMA - Batch RNBJ0743 Exp. Dec/2021).

#### \* Agar Medium

Tryptic-soy agar (Biomérieux - Batch 1007893660 Exp. Aug/15/2021).

#### \* Microorganism recovery

- Untreated and Treated pieces: deposition of each piece in a sterile flask + 10mL SCDLP + sterile glass beads. Manual mix for 1 minute.

#### \* Conditions of the test

- Temperature during the contact :  $36 \pm 1^\circ\text{C}$
- Relative humidity : > 90%
- Contact time : 24 hours

The test has been performed three times.

**4. Results****- Untreated pieces (Area : 16 cm<sup>2</sup>)**Inoculum/piece :  $2,63 \cdot 10^5$  CFU =  $1,64 \cdot 10^5$  CFU/cm<sup>2</sup>

Untreated pieces	CFU	CFU/cm <sup>2</sup>	log CFU	log CFU/cm <sup>2</sup>
T0 - 1	$1,89 \cdot 10^5$	$1,18 \cdot 10^4$	5,28	4,07
T0 - 2	$1,79 \cdot 10^5$	$1,12 \cdot 10^4$	5,25	4,05
T0 - 3	$1,79 \cdot 10^5$	$1,12 \cdot 10^4$	5,25	4,05
Mean (U0=CFU/cm <sup>2</sup> )			5,26	4,06

Test validation :

$(L_{max} - L_{min}) / (L_{mean}) \leq 0,2$

Number of viable bacteria shall be within the range  $1,0 \times 10^5$  et  $4,0 \times 10^5$  CFU / 16 cm<sup>2</sup>

Untreated pieces	CFU	CFU/cm <sup>2</sup>	log CFU	log CFU/cm <sup>2</sup>
T24h - 1	$1,00 \cdot 10^7$	$6,25 \cdot 10^5$	7,00	5,80
T24h - 2	$1,42 \cdot 10^7$	$8,88 \cdot 10^5$	7,15	5,95
T24h - 3	$1,12 \cdot 10^7$	$7,00 \cdot 10^5$	7,05	5,85
Mean (U <sub>t</sub> =CFU/cm <sup>2</sup> )			7,07	5,86

**- Treated pieces - Coversafe Film (Film Gerg. ADD) without wash (Area : 16 cm<sup>2</sup>)**

Treated pieces	CFU	CFU/cm <sup>2</sup>	log CFU	log CFU/cm <sup>2</sup>
E24h - 1	< 10	< 1	< 1,00	0
E24h - 2	10	< 1	1,00	0
E24h - 3	< 10	< 1	< 1,00	0
Mean (A <sub>t</sub> =CFU/cm <sup>2</sup> )			< 1,00	0

**- Treated pieces - Coversafe Film (Film Gerg. ADD) Isopropilic alcohol washes (Area : 16 cm<sup>2</sup>)**

Treated pieces	CFU	CFU/cm <sup>2</sup>	log CFU	log CFU/cm <sup>2</sup>
E24h - 1	< 10	< 1	< 1,00	0
E24h - 2	< 10	< 1	< 1,00	0
E24h - 3	< 10	< 1	< 1,00	0
Mean (A <sub>t</sub> =CFU/cm <sup>2</sup> )			< 1,00	0

- Treated pieces - Coversafe Film (Film Gerg. ADD) detergent with bleach washes (Area : 16 cm<sup>2</sup>)

Treated pieces	CFU	CFU/cm <sup>2</sup>	log CFU	log CFU/cm <sup>2</sup>
E24h - 1	< 10	< 1	< 1,00	0
E24h - 2	< 10	< 1	< 1,00	0
E24h - 3	< 10	< 1	< 1,00	0
Mean (At=CFU/cm <sup>2</sup> )			< 1,00	0

- Treated pieces - Coversafe Film (Film Gerg. ADD) Surfanios Premium washes (Area : 16 cm<sup>2</sup>)

Treated pieces	CFU	CFU/cm <sup>2</sup>	log CFU	log CFU/cm <sup>2</sup>
E24h - 1	< 10	< 1	< 1,00	0
E24h - 2	< 10	< 1	< 1,00	0
E24h - 3	< 10	< 1	< 1,00	0
Mean (At=CFU/cm <sup>2</sup> )			< 1,00	0

**5. Conclusion**

The antibacterial activity (R) is based on logarithmic reduction/cm<sup>2</sup> of *E. coli* CIP 53.126 strain between standard and antimicrobial surfaces after 24H of contact according to the following matrix:

$$R = (U_t - U_0) - (A_t - A_0) = U_t - A_t$$

Antimicrobial activity	Result (log CFU/cm <sup>2</sup> )	Specifications (log CFU/cm <sup>2</sup> ) JIS Z2801 :2010
Coversafe Film (Film Gerg. ADD) without wash	5,86	> 2
Coversafe Film (Film Gerg. ADD) Isopropilic alcohol washes	5,86	> 2
Coversafe Film (Film Gerg. ADD) detergent with bleach washes	5,86	> 2
Coversafe Film (Film Gerg. ADD) Surfanios Premium washes	5,86	> 2