

**MICROBIOLOGICAL TESTING DEPARTMENT
OF NATIONAL PUBLIC HEALTH SURVEILLANCE LABORATORY**

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MICROBIOLOGICAL TEST REPORT No. MA 3824 (MA 9722)/2020
23 July 2020

Customer, address: **Fiber ProTector Norge AS, Grini Næringspark 1, 1361 Østerås, Norway**

Agreement (mark X) [X] there is no [] is date 20 _____ No _____ [E]
+4723231555 E-mail: espen.vogt@fiberprotector.com Pickup Act-Order No: **V 5660**

Date and time of delivering the samples and sample temperature (if required) **2020-06-18, 7.50 h**

Information supplied by the customer:

Samples supplied (title of the sample, method of packing, amount of sample supplied (kg.l), producer, method, by which test sample is produced, batch size, production date, date of realization, time, other information supplied by the customer):
BarrierTech Sanitiser. Batchnr.: 20-3095. Contact time: 1min, 5min, 10min. Concentration: ready to use and 50% dilution. Temperature: 20°C, 0,5 l, making date: 2020-06-11, BBD not indicated

Place of the selecting the samples, **Fiber ProTector Norge AS, Grini Næringspark 1, 1361 Østerås, Norway**

Sampling report No: _____ (object name and address)

Samples selected by: **Espen Vogt**

Date and time of sample selecting, sample (institution, division, position, name)
temperature, identification No. of the document: **2020-06-11, 10.00 h, No doc. of sampling: MA 3824**

Samples delivered by: **Espen Vogt**
(institution, name)

Testing started on: **2020-06-18**

Test results:

Sample name **BarrierTech Sanitiser. Batchnr.: 20-3095. Contact time: 1min, 5min, 10min. Concentration: ready to use and 50% dilution. Temperature: 20°C**

Sample registry No.	Testing performed by the method	Searched microorganism	Test results
MA 9722	EN 14476:2013+A1:2015 (N)	Virucidal activity test of disinfectants for hygienic handrub and handwash	BarrierTech Sanitizer not diluted achieves a virucidal activity against Murine norovirus and Vaccinia virus after 5 min.

Supplementary data, remarks: **Detailed test information is provided in the Annex, 2 p.**

Date of performing tests: **2020-07-23**

Test performed by **Head of Virology Testing Subdepartment Svajūnė Muralytė**
(position, name and surname)

Approve: **Head of Clinical testing department Ilona Razmienė**
(position, name and surname, signature)

Explanations:	1. R - Reduction of the count of microorganisms (reduction), expressed by log.
	2. Test results related only to the particular samples tested.
	3. N -not accredited method.
	4. Test report or parts thereof (annexes) can't be reproduced without the consent of the head of division and/or subdivision.
	5. Handing over of the test report [E]-by e-mail

Microbiological test report No. MA 3824 (MA 9722)/2020 Annex

Identification of the testing laboratory:

National Public Health Surveillance laboratory
Virology Testing Subdepartment
Zolyno str. 36
Vilnius, Lithuania

Identification of the Customer:

Fiber ProTector Norge AS
Grini Næringspark 1,
1361 Østerås, Norway

Identification of the sample:

- | | |
|--|------------------------------|
| 1. Name of the product | BarrierTech Sanitiser |
| 2. Batch number and expiry date | 20-3095 |
| 3. Manufacturer | Fiber ProTector Norge AS |
| 4. Date of delivery | 18/06/2020 |
| 5. Storage conditions | unknown |
| 6. Product diluent recommended by the manufacturer | unknown |
| 7. Active substance(s) and concentration(s) | 1250ppm |
| 8. Appearance of the product | liquid |

Experimental conditions:

- | | |
|--|---|
| 1. Date(s) of the tests (period of analysis) | 07/07/2020 / 22/07/2020 |
| 2. Diluent used for product test solution | hard water |
| 3. Product test concentration | 50 % and not diluted |
| 4. Appearance of product dilutions | no precipitate formation noted |
| 5. Contact times | 1 min, 5 min 10 min |
| 6. Test temperature(s) | 20 °C |
| 7. Interfering substance | 0,3 g/l bovine albumine solution (BSA) / clean conditions |
| 8. Stability and appearance of the mixture | |
| 9. during procedure | no precipitate formation noted |
| 10. Temperature of incubation | 37 °C |
| 11. Method of filtration | unfiltered |
| 12. Identification of the viral strains used | Murine norovirus S99 Berlin,
Vaccinia virus |
| 13. Procedure to stop action of the product | ice cold medium |
| 14. Cell lines used | RAW 264.7, BHK-21 |

Test results, control and evaluation:

- | | |
|---|---|
| 1. Titre of test suspension | Murine norovirus S99 Berlin – 7,2 lg.
Vaccinia virus – 5,8 lg. |
| 2. Maximum detectable virus inactivation | Murine norovirus S99 Berlin – 4,3 lg.
Vaccinia virusas – 4,3 lg. |
| 3. Virus inactivation of the reference virus inactivation test (formaldehyde) after 60 min. | Murine norovirus S99 Berlin – 4,0 lg.
Vaccinia virus – 4,3 lg. |

Test results, evaluation of virucidal activity:

Test was performed according to LST EN 14476:2013+A2:2019.

Summary table of results of virucidal activity against Murine norovirus S99 Berlin under clean conditions for BarrierTech Sanitiser											
Product	Interfering substance	Concentration	Level of cytotoxicity	Virus titre lg TCID ₅₀						Virus reduction lg TCID ₅₀ (maximum)	≥4 lg reduction after „x“ min
				0 min	1 min	5 min	10 min	30 min	60 min		
BarrierTech Sanitiser	0,3 g/l BSA	50 %	1,5	-	5,5	3,5	3,0	-	-	4,2	10 min
		not diluted	1,5	-	5,5	3,0	2,8	-	-	4,3	5 min
Formaldehyde	PBS	0,7 %	1,5	-	-	-	-	4,2	3,2	4,0	60 min
Virus Control	0,3 g/l BSA	-	-	7,2	-	-	-	-	7,2	-	-

Summary table of results of virucidal activity against Vaccinia virus under clean conditions for BarrierTech Sanitiser											
Product	Interfering substance	Concentration	Level of cytotoxicity	Virus titre lg TCID ₅₀						Virus reduction lg TCID ₅₀ (maximum)	≥4 lg reduction after „x“ min
				0 min	1 min	5 min	10 min	15 min	30 min		
BarrierTech Sanitiser	0,3 g/l BSA	50 %	1,5	-	2,7	1,7	1,5	-	-	4,3	5 min
		not diluted	1,5	-	2,0	1,5	1,5	-	-	4,3	5 min
Formaldehyde	PBS	0,7 %	1,5	-	-	-	-	2,5	1,5	4,3	60 min
Virus Control	0,3 g/l BSA	-	-	5,8	-	-	-	-	5,8	-	-

Conclusion

1. According to LST EN 14476:2013+A1:2016, BarrierTech Sanitiser ACHIEVES A VIRUCIDAL activity of a 4,0 log reduction as tested:

1.1. 50 % concentration after 10 minutes at 20°C under clean conditions (0.3 g/l bovine albumin) against Murine norovirus S99 Berlin/RAW 264.7 cells;

1.2. Not diluted after 5 minutes at 20°C under clean conditions (0.3 g/l bovine albumin) against Murine norovirus S99 Berlin/RAW 264.7 cells.

2. According to LST EN 14476:2013+A1:2016, BarrierTech Sanitiser ACHIEVES A VIRUCIDAL activity of a 4,0 log reduction as tested 50 % concentration and not diluted after 5 minutes at 20°C under clean conditions (0.3 g/l bovine albumin) against Vaccinia virus / BHK-21 cells.

Virusologinių tyrimų
poskyrio vedėja
Svajūnė Muralytė

2020-07-23

(Date, name, last name and signature)

