



Microbe Investigations AG

LS20-04077

Report date: January 29, 2021

Customer: HanProtec GmbH

Index

- Test overview and summary
- Application data
- Antiviral Testing management data
- Test costs information (Pro-Forma invoice)
- Annexes to the test report



Microbe Investigations AG (MIS) is a spin-off company of ETH Zürich

MIS provides microbiological testing services primarily for industrial customers assessing the characteristics of developmental products. MIS also provides a depth of expertise in fundamental aspects of microbiology gained throughout many years of world-leading research. Target customers are primarily companies working with antimicrobial treatments on textiles, plastics, and coatings.

More information: www.microbe-investigations.com



Test report overview

General Info	Name	Contact	Key Account Manager
Customer	HanProtec GmbH	W. Nitsche	R. Munding
Distributor	-	-	-
Brand owner	-	-	-
Brand label	-	Application at	n/a
Reason for testing	Quality validation	Application by	Not specified
Effects	infectX - HeiQ Viroblock	Scale	0 - unspecified

Test methods carried out in this report

Effect / Property	Testing standard	Test parameter
Quantitative antiviral test on textiles	ISO 18184:2019	Betacoronavirus 1, strain OC43 (ATCC VR-1558)

Test results: Good effect level

Test summary / comments:

- In the test ISO 18184, the "HQ10 and TQ10" samples showed good antiviral activity against **Beta Coronavirus (Strain: OC43)**.

Samples, finishing process and textile information

Sample	Sample description
1	infectX - TQ10 Airlaid/Nonwoven Series
2	infectX - HQ10 Tissue Series

Recipe	Sample number
--------	---------------

Textile information	1	2
Weight [g/m2]	-	-
Construction	VLE	VLE
Structure	OTR	OTR

Legend:

Construction process	Textile structure
VLE = Nonwoven	OTR = Other

Antiviral Testing

Recipe	Sample number	
ISO 18184: Betacoronavirus 1 (ATCC VR-1558)		
Sub-Samples	1-1	2-1
Virus strain	Betacoronavirus 1, strain OC43 (ATCC VR-1558)	Betacoronavirus 1, strain OC43 (ATCC VR-1558)
Ig(Va) (control, immediately) Betacoronavirus 1	6.76	6.76
Contacting Time Betacoronavirus 1 [min]	120	120
Ig(Vc) (sample, after contacting) Betacoronavirus 1	4.50	4.30
Antiviral activity Value Mv Betacoronavirus 1	2.30	2.50
Percent reduction Betacoronavirus 1 [%]	99.450	99.653
Activity Betacoronavirus 1	+	+