



**Prodotti di Prevenzione e
Salvaguardia della salute
nel Mondo**

virus
free



UNA DELLE PRIME
tecnologie tessili al mondo ad avere una
provata ed effettiva da test di laboratorio
RAPIDA CARICA da 2-5 minuti contro :

- COVID-19 (SARS-CoV-2)
- BATTERI
- VIRUS
- MUFFE

Utilizzando "Virus Free" sia Guanti
che tutta la gamma di prodotti di
prevenzione, sei protetto da infezioni
virali (incluso Covid-19), batteriche e
muffe senza l'utilizzo di prodotti
disinfettanti.

Il tessuto speciale Viroblock (virus-
bloccante) con tecnologia HeiQ mantiene
tutti gli articoli realizzati sempre puliti da
ogni carica infettiva virale, batterica e
dalle muffe.

Tutti gli articoli sono personalizzabili
all'occorrenza ed è possibile anche
realizzare produzioni ad-hoc per esigenze
specifiche o particolari.

Origine EU

**virus
free** 



Sono Antimicrobici: COVID19 (SARS-CoV-2), Batteri e Muffe



Resistenti (Ritardanti) al Fuoco (su richiesta del cliente)



Repellenti ai liquidi (impermeabili)



Touch Screen compatibili



Amici della Pelle (pelli normali, sensibili ed allergiche)



Certificati ISO 20743 ed ISO 18184



Tecnologia HeiQ Effetto dura di norma per 30 lavaggi



Amico dell' Ambiente :

1 x Paio di Guanti Virus Free = oltre 200 Paia di Guanti monouso

Risparmiare al Pianeta Kg. 1,5 di plastica



IL PROBLEMA

Le superfici si prestano ad ospitare batteri e virus, rappresentando il mezzo più idoneo per una facile e rapida diffusione dell'infezione. Gli studi hanno dimostrato che batteri e virus come la SARS-CoV-2 possono rimanere attivi su di una variegata serie di superfici per diversi giorni a temperatura ambiente.

LA SOLUZIONE

I nostri Prodotti "**Virus Free**", sono la combinazione sinergica di due aspetti della tecnologia HeiQ:

A) **Tecnologia brevettata dell'Argento ad effetto** antivirale ed anti batterico. Gli ioni dell'argento attraggono i virus di carica opposta legandoli permanentemente ai loro gruppi di solfuri, bloccando devitalizzando il virus.

❖ **La Tecnologia brevettata delle Vescicole Grasse di HeiQ** amplifica l'azione meccanica che distrugge il virus. Questa Tecnologia delle Vescicole Sferiche Grasse funziona mirando direttamente all'involucro lipidico che circonda il virus.

- ❖ La Tecnologia delle Vescicole aiuta ad esaurire la membrana del virus del suo contenuto di colesterolo distruggendo così il virus.
- ❖ La Vescicola distrugge rapidamente il virus attraverso il contatto fisico (dispersore di colesterolo).

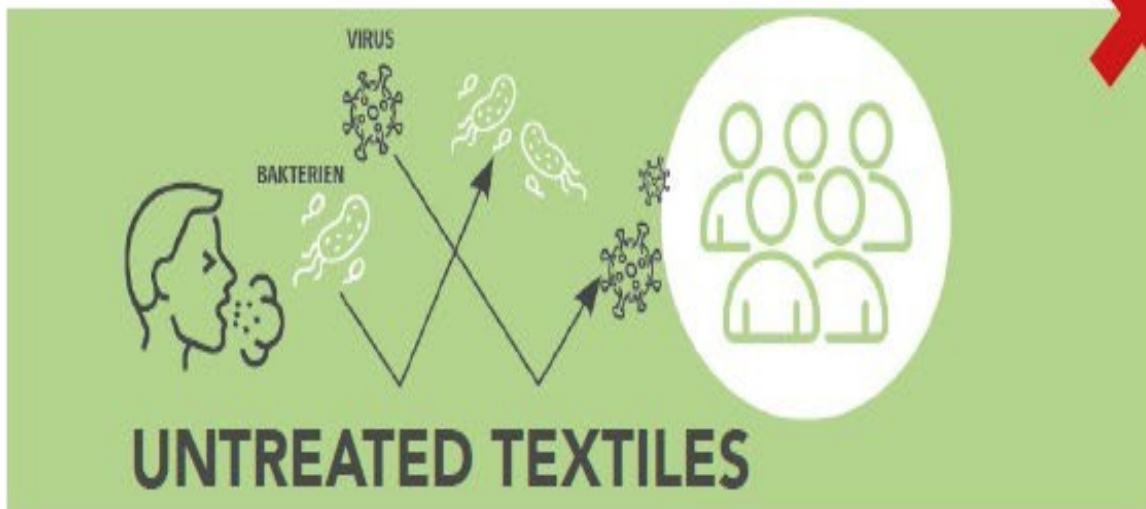
I biocidi a base di sale d'argento riciclato proteggono da microbi e germi. L'effetto antivirale viene rilasciato già dopo pochi minuti e garantisce protezione contro la diffusione.

Il Problema

Studi hanno dimostrato che le persone inconsciamente afferrano o toccano il proprio viso **dalle 400 alle 800 volte durante la giornata**, cio' dimostra quanto sia ancora piu' importante la protezione delle persone nei luoghi pubblici.

La Soluzione

Indossando i Guanti, Mascherina oppure impiegando i prodotti di prevenzione Virus Free, non si e' protetti solamente dal Covid-19, altresì da ogni altro Virus, dai Batteri e Muffe senza impiego di disinfettanti. Il Tessuto speciale Viroblock (Virus Bloccante) con l'applicazione della Tecnologia HeiQ mantiene i guanti, mascherina e tutti gli altri prodotti Virus Free, sempre puliti da ogni carica microbica e virale.



virus
free 

Liquid-repellent
through nanoplasma technology



Touchscreen
compatible



Skin-friendly

certified
HEIQ technology
ISO 20743 and ISO 18184



Antimicrobial
(viruses, bacteria, yeast)



Environmentally friendly
(replaces up to
200 disposable gloves)

Caratteristiche del prodotto:

- Tessuto 83% PA, 17% EA
- Auto-Modellante
- Personalizzazione con logo e colore cliente
- Si rimuove facilmente senza rischio di trasmettere infezioni e sporco
- Non e' richiesto uso disinfettante

Applicazione:

- Usare durante l'intera giornata come fosse una seconda pelle

Sizes:
S/M, L/XL

Colours*:



* commercially available only anthrazit

virus
free ✓



ESEMPI
DI
PERSONALIZZAZIONI
RICHIESTE

virus
free ✓



virus
free ✓



Caratteristiche del prodotto:

- Tessuto 83% PA, 17% EA
- Auto-Modellante
- Personalizzazione con logo e colore del cliente
- Si rimuove facilmente senza rischio di trasmettere infezioni e sporco
- Non e' richiesto uso del disinfettante

Applicazioni:

- Carrelli della spesa
- Cestelli della spesa

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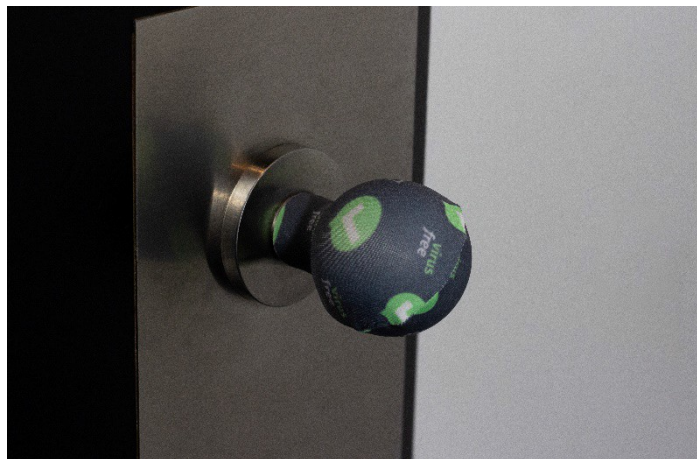
Caratteristiche del prodotto:

- Tessuto 83% PA, 17% EA
- Auto-Modellante
- Personalizzazione con logo e colore del cliente
- Si rimuove facilmente senza rischio di trasmettere infezioni e sporco
- Non e' richiesto uso del disinfettante

Applicazioni:

- Corrimani scale
- Punti di appoggio (sostegni) nei trasporti pubblici e privati (esempio: treni, bus, metro ecc...)
- Bagni Pubblici
- Super mercati, grandi magazzini e negozi
- Alberghi
- Aree Pubbliche (spazi all'esterno ed all'interno)

virus
free ✓



Caratteristiche del prodotto:

- Tessuto 83% PA, 17% EA
- Auto-Modellante
- Personalizzazione logo e colore del cliente
- Si rimuove facilmente senza rischio di trasmettere infezioni e sporco
- Non e' richiesto uso del disinfettante

Applicazioni:

- Tutti tipi di maniglie e maniglioni di sicurezza

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Caratteristiche del prodotto:

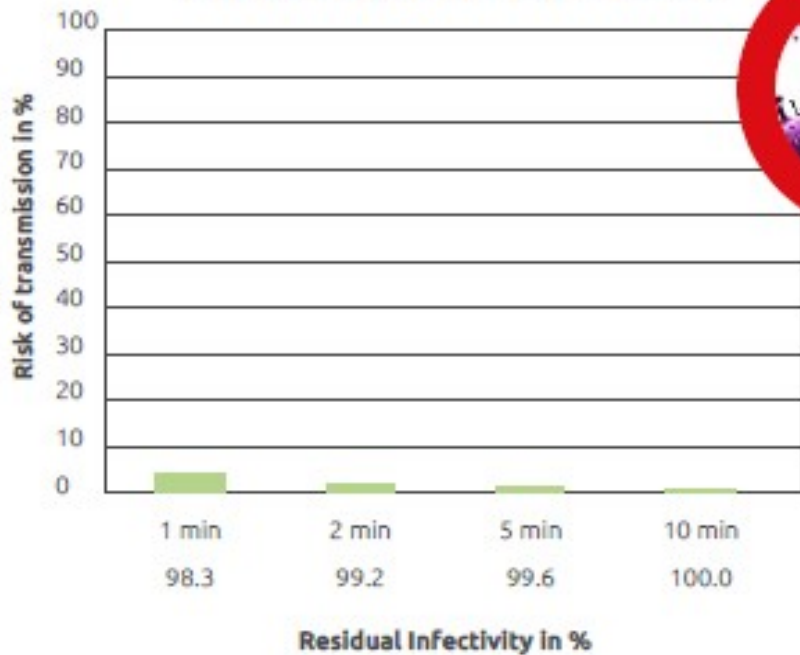
- Tessuto 83% PA, 17% EA
- Auto-Modellante
- Personalizzazione logo e colore del cliente
- Si rimuove facilmente senza rischio di trasmettere infezioni e sporco
- Non e' richiesto uso del disinfettante



Applicazione:

- Protezione dita Touch Screen compatibile

Risultati dei test Antivirali, Antibatterici ed Anti Muffe condotti sulle superfici

ANTIVIRAL EFFECT

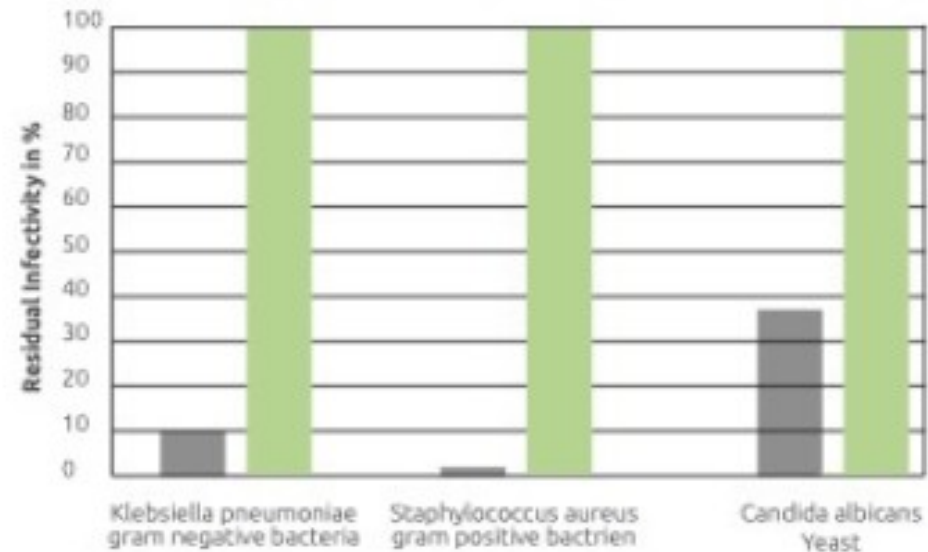


 TREATED TEXTILES
 UNTREATED TEXTILES

TESSUTO TRATTATO
TESSUTO NON TRATTATO

ANTIBACTERIAL EFFECT

Residual Infectivity in %					
Time in min.	0	15	20	30	60
Residual Infectivity in %		84.74 %	99.5 %	99.84 %	99.98 %



*Infezione da muffe come la candida aurisare un grosso problema per gli ospedali**

Tecnologia d'Avanguardia

Dettagli Tecnici circa la tecnologia HeiQ Viroblock

- HeiQ Viroblock e' stato testato con una efficacia al 99,99% entro 30 minuti contro il virus SARS-CoV-2, che causa il COVID-19 (1)
- L'infettività virale residua testata secondo metodo ISO 20743 modificato (virus Sendai), effetto antivirale rapido dimostrato entro 2-5 minuti (2)
- Testato secondo ISO 18184 come altamente antivirale ed ISO 20743 come altamente antibatterico contro virus e batteri (3)
- Certificato come sicuro e sostenibile in quanto tutti i suoi ingredienti sono di grado cosmetico ed a base biologica (72% carbonio bio (4), 26% idrocarburo, 2% micro-argento)
- Durata di almeno 30 lavaggi delicati a 40 gradi

(1) M.J. (2020) Rapporto sulla "Stabilità Virale e Persistenza a SARS-CoV-2 su "Tessuto Trattato". Istituto Doherty per Infezioni ed Immunità , Australia

(2) 2013, Università di Ginevra, " ISO 20743 Modificato, Sendai virus testato tempo di distruzione al contatto", Dr. Thierry Pelet, Svizzera

(3) 2020, (6720)179-0376-1 test report, "ISO 18184 – Determinazione dell'attività antivirale sui prodotti di tessuto", Bureau Veritas, India ; 2020, LS20-02090 test report, "ISO 20743 – Attività Antibatterica dopo 50 x lavaggi domestici (ISO 6330)", Investigazione Microbica, Svizzera

Tecnologia d'Avanguardia ISO 20743 ed ISO 18184

ISO 20743:

Questo standard fornisce il metodo che consente di misurare attraverso test la attività antibatterica dei prodotti tessili ad azione antibatterica.

Test applicabili ai vari tipi di prodotti tessili ed altri materiali indipendentemente dal tipo di agente antibatterico utilizzato (ad esempio: organico, inorganico, naturale o artificiale).

ISO 18184:

Questo standard e' stato sviluppato dall'Organizzazione Internazionale degli Standard (ISO), descrive i requisiti e metodi di test (prove) al fine di determinare l'attività antivirale di prodotti tessili. Questo standard e' applicabile a tessuti e tessuto di maglia, fibre, filati, maglieria e prodotti tessili equivalenti.



Sommario delle CERTIFICAZIONI :

1) Test Antimicrobici

- 1A) AATCC 100 (Staphylococcus aureus e Candida albicans)

2) Test Antivirali

- 2A) ISO 18184 (H3N2 Influenza dell'uomo A)
- 2B) ISO 18184 (Corona Virus 229E)
- 2C) SARS – CoV-2
- 2D) ISO 20743 con Sendai Virus

3) Test di compatibilità cutanea

- 3A) Testati sull'uomo
- 3B) Study ricavati : Condizioni del flusso dinamico dell'aria
- 3C) Citotossicità

4) Elenco

- 4A) Oeko-Tex
- 4B) ZDHC – Gateway
- 4C) Bluesign
- 4D) INCI cosmetic grade ingredient
- 4E) USDA (in progress)

5) RegISTRAZIONI

US EPA, EU BPR, USFDA, UAE, KSA

HEIQ Viroblock ha ricevuto:





Risultati dei test dell'Attività Antimicrobica su tessuto trattato - AATCC TM100

 **Situ** Biosciences LLC
passion for science™

Product Test Laboratory
2141 Foster Ave. Wheeling IL 60090
www.situbiosciences.com
1 - 847 - 483 - 9950

Quality Control
Biodegradation
Antimicrobials

Customer Report

Wednesday, October 07, 2015

Project Title

Antimicrobial Testing

ID **0915-BOY-01 -- 1**

Entry Date 9/24/2015

Project Summary

The **AATCC TM 100** test method is designed to measure the antimicrobial properties of textile or absorbent material incubated with selected microorganisms. The basis of the test methods is the incubation of the microorganism inoculum in contact with the test sample for a duration of up to 24 hours without drying. Following this exposure, the inoculated microorganisms are recovered and the concentration of the organisms is determined. *Candida albicans* was tested according to the standard method, culturing *C. albicans* prior to testing was conducted as required by the organism.

The antimicrobial performance is determined by comparison of the recovered organisms from the test samples at time 0, and treated material after selected time points and is reported as a percent value relative to the control sample material.

Result Table *

Test Method **AATCC 100 Assessment of Antibacterial Finishes on Textile Materials**

Sample # **1** TBD Fabric

	Interval	Result
Inoculum <i>C. albicans</i> (10231)		
Notes Section		
replicate 1	24 hr	99.68 % Reduction
replicate 2	24 hr	99.91 % Reduction
replicate 3	24 hr	99.86 % Reduction
Inoculum <i>S. aureus</i> (6538)		
Notes Section		
replicate 1	24 hr	99.99 % Reduction
replicate 2	24 hr	99.99 % Reduction
replicate 3	24 hr	99.99 % Reduction

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Risultati dei test dell'Attività Antivirale sui prodotti di tessuto – ISO 18181, ISO 20743 (modif. SENDAI VIRUS)

Nonwoven* material for disposable masks treated with **HeiQ Viroblock NPJ03**:

ID	Agent	Log reduction	% reduction
LS20-00319-6	H3N2 (Human Influenza A)	4.72	99.99%

The HeiQ ViroblockNPJ03 treated nonwoven material shows **excellent antiviral efficacy!**





Risultati dei test dell'Attivita' Antivirale – ISO 1818418184



广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY
分析检测报告

REPORT FOR ANALYSIS

报告编号 (Report No.) 2020FM03839R06 校验码 (Verification Code): 40562378



样品名称 Name of Sample	LS20-00319-6	检测类型 Test Type	委托检测
委托单位 Applicant	瑞士海屹科材料有限公司上海代表处	地址 Address	上海市徐汇区裕德路 168 号徐汇商务大厦 2011
样品来源 Sample Source	委托方送检	样品数量 Sample Quantity	1 片 1 PIECE OF FABRIC SAMPLE
样品规格和批号 Spec and Lot No of Sample	NONWOVEN MATERIALS TREATED WITH VIRIBLOCK 20% W/WF VIBROBLOCK 20、FA2040	样品状态和特性 State and Characteristic	片状
接样日期 Sample Received Date	2020-03-03	检测完成日期 Completion Date	2020-04-01
检测依据和方法 Test Standard and Method	ISO 18184:2014		
检测项目 Item Tested	抗病毒活性 ANTIMIRAL EFFICACY		
检测结论 Test Conclusion	该样品所检项目的实测数据见本检测报告续页。 PLEASE FIND IN FOLLOWING PAGES THE TEST RESULT.		
备注 Remarks	生产厂家: 瑞士海屹科材料有限公司 (由委托方提供)		



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Approver

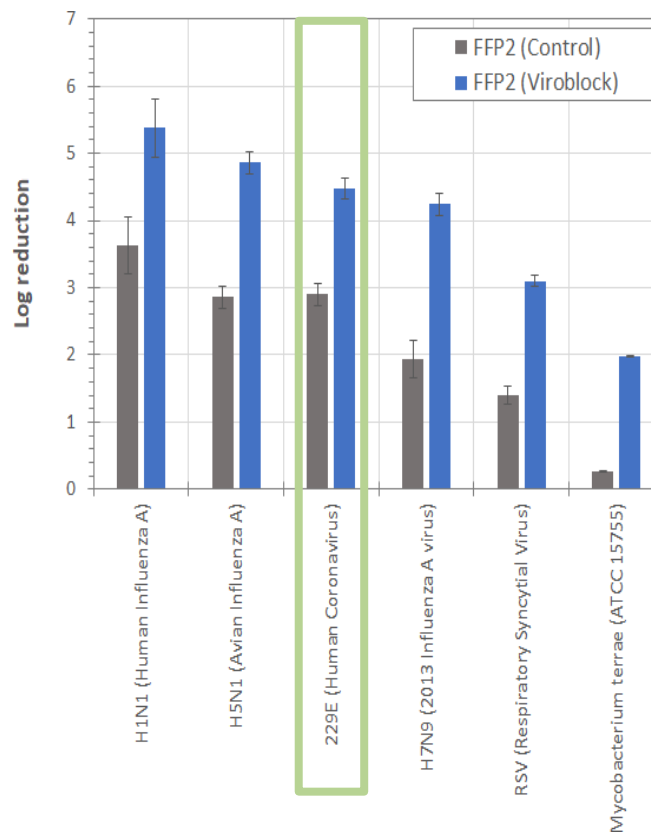
报告编号 (Report No.): 2020FM03839R06

NAME OF VIRUS 病毒名称	EXPERIMENT ID 实验序号	CONTROL CONDITION AT ZERO HOUR 对照样接种孵育 0h 后 病毒滴度的对数值 (lgTCID ₅₀ /瓶)	CONTROL CONDITION AT 2 HOURS 对照样接种孵育 2h 后 病毒滴度的对数值 (lgTCID ₅₀ /瓶)	FABRIC SAMPLE AT 2 HOURS 试样接种孵育 2h 后病 毒滴度的对数值 (lgTCID ₅₀ /瓶)
INFLUENZA H3N2 甲型流感病毒 H3N2 MDCK 细胞	1	6.63	6.42	<1.8
	2	6.59	6.50	<1.8
	3	6.59	6.63	<1.8
lgTCID ₅₀ /瓶 平均数 AVERAGE		6.60	6.52	<1.8
抗病毒活性值 LOG REDUCTION		>4.72		
抗病毒活性率 (%) % REDUCTION		>99.99		

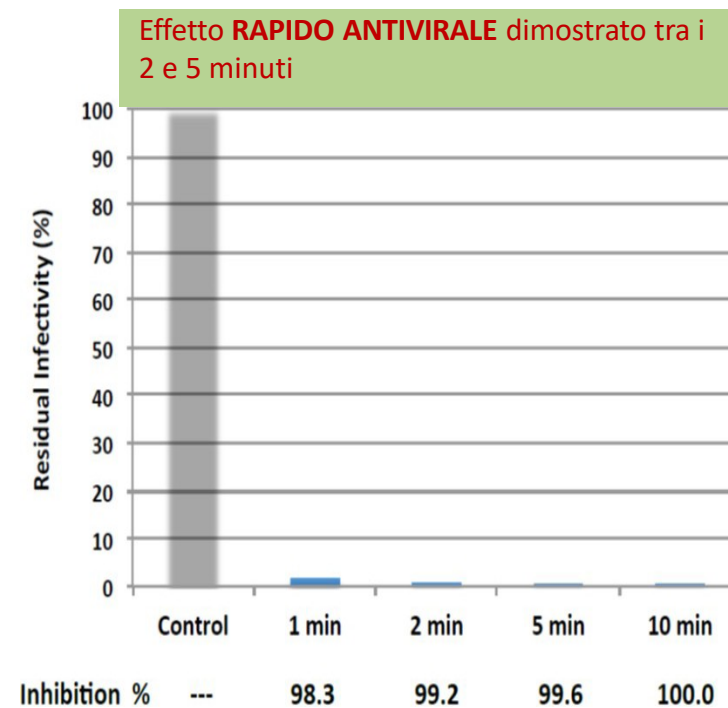
Risultati dei test dell'Attività Antivirale – ASTM F2101

Study ID	Agent	Logreduction			%reduction	
		Control	HeiQ Viroblock	□*	Control	HeiQ Viroblock
798-110	H1N1 (Human Influenza A)	3.63	5.38	>50x	99.9766 %	99.9996 %
798-111	H5N1 (Avian Influenza A)	2.86	4.86	100x	99.862%	99.999%
798-112	229E (Human Coronavirus)	2.90	4.48	>30x	99.874%	99.997%
798-114	H7N9 (2013 Influenza A)	1.93	4.24	>200x	98.825%	99.994%
798-115	RSV (Respiratory Syncytial Virus)	1.40	3.10	>50x	96.02%	99.92%
798-116	Mycobacterium terrae (ATCC 15755)	0.26	1.98	>50x	45.05%	98.95%

La Mascherina in HeiQ Viroblock FFP2 * mostra un altissimo (>30 volte) diminuzione dell'infettività virale contro virus principali: H1N1, H5N1, H7N9, Coronavirus (229E), e RSV



Effetto istantaneo Antivirale su SENDAL VIRUS



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Alto effetto antivirale contro SARS-CoV-2 (COVID-19)

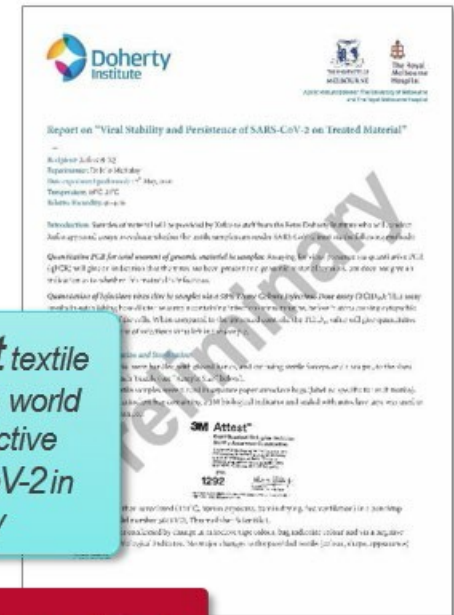
- 100% tessuto in polyester trattato con HeiQ Viroblock NP03
- Testato contro SARS-CoV-2, che causa COVID-19
- Due diversi metodi di test di laboratorio sono stati condotti per determinare la rimanente infettività residua su campioni di tessuto inoculato dopo un tempo di contatto di 30 minuti

Test A	Sample	Avg. Log TCID ₅₀ /ml	Logreduction*	%reduction*
	Inoculum	5.9		
	HeiQ Viroblock treated sample	0.0	5.9	>99.999%

Test B	Sample	Avg. Log TCID ₅₀ /ml	Logreduction*	%reduction*
	Inoculum	5.0		
	HeiQ Viroblock treated sample	1.0	4.0	99.99%

One of the first textile technologies in the world to be proven effective against SARS-CoV-2 in the laboratory

ANTIVIRAL effect demonstrated against SARS-CoV-2 within 30 minutes



virus
free 

TEST SULL'UOMO

HeiQ Viroblock NPJ03 treated fabric:

Human Patch Test

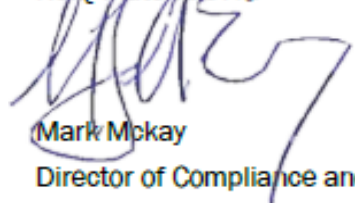
Dear Valued Customer,

By means of this letter we inform you that HeiQ Viroblock NPJ03 treated fabric has been DERMATOLOGICALLY TESTED at Farcoderm srl (in collaboration with the University of Pavia) and demonstrated a perfect skin compatibility.

The subsequent test report sets out that the HeiQ Viroblock NPJ03 treated fabric shows to be **"NON IRRITANT"**.

In reference to the test: "Fabric sample 8" is a polypropylene non-woven fabric sample that was finished with the surface treatment "HeiQ Viroblock NPJ03".

HeiQ Materials AG



Mark McKay

Director of Compliance and Quality

Farcoderm
TESTED WELLNESS

In collaboration with:
University of Pavia
Prof. FULVIO MARZATICO
Laboratory of Pharmacobiochemistry
Pharmacology and Toxicology Division

REPORT ON A HUMAN PATCH TEST

48 hour closed patch test under occlusion

Skin test to evaluate potential skin irritation after contact with a non-woven fabric

HEIQ MATERIALS AG

FABRIC SAMPLE "8"

HUMAN PATCH TEST

Table 1 - Clinical score of skin reactions

No erythema	0
Light erythema (hardly visible)	1
Clearly visible erythema	2
Moderate erythema	3
Serious erythema (dark red with possible formation of light scars)	4
No oedema	0
Very Light oedema	1
Light oedema	2
Moderate oedema (about 1 mm raised skin)	3
Strong oedema (extended swelling even beyond the application area)	4

Table 2 - Classification of the medium irritation index (according to the amended Draize classification).

Mean Irritation Index (IIM)	Product classification
< 0,5	non irritating
from 0.5 to 2.0	slightly irritating
from 2.0 to 5.0	moderately irritating
from 5.0 to 8.0	highly irritating

RESULTS

Summary of the data obtained and evaluation of the product irritation potential

OEDEMA AND ERYTHEMA REACTIONS

Panellist name	Sex	ERYTHEMA 15'	OEDEMA 15'	ERYTHEMA 1h	OEDEMA 1h	ERYTHEMA 24h	OEDEMA 24h
1 D046G	M	0	0	0	0	0	0
2 D004G	F	0	0	0	0	0	0
3 G032T	F	0	0	0	0	0	0
4 P093C	F	0	0	0	0	0	0
5 S030E	F	0	0	0	0	0	0
6 D041L	F	0	0	0	0	0	0
7 S093S	M	0	0	0	0	0	0
8 L025G	M	0	0	0	0	0	0
9 L109C	F	0	0	0	0	0	0
10 P090D	M	0	0	0	0	0	0

MEAN VALUES FOR OEDEMA AND ERYTHEMA

IIM Er 15'	IIM Ed 15'	IIM Er 1h	IIM Ed 1h	IIM Er 24h	IIM Ed 24h
0,00	0,00	0,00	0,00	0,00	0,00

Citotossicità'



FINAL STUDY REPORT

STUDY TITLE: ISO Agarose Overlay
Using L-929 Mouse Fibroblast Cells

PROTOCOL NUMBER: 140150-17

TEST ARTICLE IDENTIFICATION: FFP2 facemasks
Lot # VB-DEV-7FEB-2013-0

PERFORMING LABORATORY: WuXi AppTec, Inc.
2540 Executive Drive
St. Paul, MN 55120

SPONSOR: VIROBLOCK SA
Chemin des Aulx 18
Plan-les-Ouates CH-1228

STUDY NUMBER: 182077

CLIENT MNEMONIC: VRB01

RESULT SUMMARY: The test article is considered **non-cytotoxic** under the conditions of this test.

Table 2: Scoring

Grade	Reactivity	Description of Reactivity Zone
0	None	No detectable zone around or under specimen.
1	Slight	Some malformed or degenerated cells under specimen.
2	Mild	Zone limited to area under specimen.
3	Moderate	Zone extending specimen size up to 1.0 cm.
4	Severe	Zone extending farther than 1.0 cm. beyond specimen.

Table 3: Test Results

Test Article	Cytotoxic Score		
	Plate 1	Plate 2	Plate 3
Test Article	1	1	1
Positive Control	3	3	3
Negative Control	0	0	0
Cell Control	0		

ANALYSIS AND CONCLUSION

The positive control score was '3' and the negative control score was '0' indicating a valid test. The test article was scored at '1' and is considered **non-cytotoxic** under the conditions of this test.



Oeko-Tex

HeiQ Viroblock NPJ03 is listed for Oeko-Tex

Name of the product	Country	Manufacturer	Type of ACP	Type of Chemical	Product class
HeiQ Viroblock NPJ03	CH	HeiQ Materials AG, Bad Zurzach	Products with biological activity	Auxiliary	I-IV

- Product class I: Articles for babies and toddlers
- Product class II: Articles with direct contact to the skin
- Product class III: Articles without direct contact to the skin
- Product class IV: Home textiles

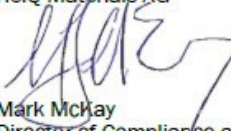
Bluesign

Product: HeiQ Viroblock NPJ03
Status: Filed: In Homologation



HeiQ Materials hereby informs customers that for HeiQ Viroblock NPJ03; whilst bluesign approval is not yet finalised this product is now in the process for homologation according to the bluesign® Criteria.

HeiQ anticipates no adverse issues to arise during this process and will update partners immediately once the assessment is completed and the product gains its official bluesign® approval.

HeiQ Materials AG

Mark McKay
Director of Compliance and Quality

HeiQ Materials AG is a bluesign® System Partner

virus
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OZDHC

ROADMAP TO
ZERO

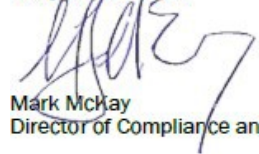
Con la presente la HeiQ Materials AG dichiara il suo impegno per l'iniziativa OZDHC e Manufacturing Restricted Substances List (MRSL), version 2, Jan 2020.

Declaration

Product: HeiQ Viroblock NPJ03

With regards to the Manufacturing Restricted Substances List; HeiQ Materials AG can state that provided the above product is applied and used according to our recommendations it may be used for manufacture of textiles and articles, which will meet the criteria for compliance with the ZDHC MRSL 2020 limits and restrictions. Listing in the ZDHC Gateway is pending.

HeiQ Materials AG



Mark McKay
Director of Compliance and Quality

INCI cosmetic grade ingredient

 Via N Sauro, 11 (Loc. Ponte Giurino)
24030 BERBENNO (BG) - Italy
tel +39 035-4195181 fax + 39 035-4824837
info.spe@specialities.it
C.F. p. Iva e Reg. Imp. BG 02310010166
REA n. 279484 - Cap. Soc. € 100.000,00 i.v.
Codice SDI - W7YVJK9



Berbenno, 25 June 2020

HeiQ Materials AG
Ruetistrasse 12
8952 Schlieren (Zurich)
Switzerland

Ref: VIROBLOCK NP J03 – INCI COMPONENTS

We declare that all the components of the product VIROBLOCK NP J03 are included in the INCI database.
The documentation is available for specific requests.

Belli Fabrizio

- All components of HeiQ Viroblock NPJ03 are included in INCI () database
- HeiQ Viroblock NPJ03 is 100% made of cosmetic ingredients

virus
free 

Produktdatenblatt

Datenblatt: Meldung eines Biozid-Produktes nach ChemBiozidMeldeV

Unter Zugrundelegung der von Ihnen gemachten Angaben wurde Ihnen eine mit "N" beginnende Registriernummer zugewiesen. Alle in dem Biozid-Produkt "HeiQ Viroblock NPJ03" enthaltenen Wirkstoffe sind für die gewählte/n Produktart/en in Anhang II der Delegierten Verordnung (EU) Nr. 1062/2014 gelistet. Ohne vorherige Zulassung darf dieses Biozid-Produkt gemäß § 28 Absatz 8 des Chemikaliengesetzes, sofern die weiteren Voraussetzungen ebenfalls erfüllt sind, bis zur Entscheidung der Genehmigung des/ der Wirkstoffe auf dem Markt bereitgestellt werden, längstens jedoch bis zum 31. Dezember 2024. Der aktuellen Status der maximalen Verkehrsfähigkeit (ChemBiozidmeldeV) Ihres Biozidproduktes wird Ihnen unter „gemeldetes Biozid-Produkt“ angezeigt.

GEMELDETES BIOZID-PRODUKT

Handelsname:	HeiQ Viroblock NPJ03
Registriernummer:	N-91819
Melddatum:	04.05.2020
Maximale Verkehrs- fähigkeit (ChemBiozidMeldeV):	31.12.2024 Das Biozidprodukt kann für die Dauer des Genehmigungsverfahrens des Wirkstoffs bzw. des letzten zu genehmigenden Wirkstoffes ohne Zulassung auf dem Markt bereitgestellt werden.
Hinweis:	
Aktiv:	<input checked="" type="checkbox"/>

WIRKSTOFFE (ANHANG II)

Wirkstoffname	Reaktionsmasse von Titandioxid und Silberchlorid
CAS-Nr.	
EC-Nr.	
PT	9
Produktart	Schutzmittel für Fasern, Leder, Gummi und polymerisierte Materialien

<https://www.baua.de/DE/Biozid-Meldeverordnung/Produktverwaltung/ProduktDetails...> 04/05/2020

BAnA - Biozidmeldeverordnung - Details zum Produkt - Bundesanstalt für Arbeitsschutz und Arbeitsmedizin Page 2 of 2

ACCEPTED FOR REGISTRATION
June 18, 2020 Doc. Id 568170
New York State Department of Environmental Conservation
Division of Field & Remedial Materials
Pesticide Product Registration

HeiQ Viroblock NPJ03

An antimicrobial additive designed to withstand high temperatures in the manufacture of yarns, filament, fibers, fiber masterbatches, textile-finishes, textile coatings and knitted, woven or nonwoven textile fabric; intended for commercial and industrial use, in manufacturing, formulating and fabricating of treated article products; specified in the use directions.

Active Ingredient: Silver *	15.3 %
Other Ingredients:	84.7 %
TOTAL:	100.0 %

* includes particles in the size range between 1 and 100 nm.

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS
Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

WORKER PROTECTION
HeiQ Viroblock NPJ03 is packaged in water-soluble packets, which when used correctly, qualify as a closed loading system. Handlers handling this product while it is enclosed in intact water-soluble packets may elect to wear reduced personal protective equipment (PPE) of long-sleeved shirt, long pants, shoes, and socks. Handlers shall exercise care to avoid tearing or puncturing the packaging and releasing HeiQ Viroblock NPJ03 powder. Because there is a chance that accidental release of HeiQ Viroblock NPJ03 powder may occur, handlers should have ready access to additional PPE including a NIOSH approved full-face respirator with high-efficiency or P100 filters or cartridges, gloves, and overalls or a Tyvek suit during powder handling. The gloves shall be chemically resistant to all of the components of the textile fiber master batch or coating formulations to which HeiQ Viroblock NPJ03 is added.

FIRST AID
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison center or doctor for treatment advice.
IF INHALED: Move the person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.
IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information on product, use etc.) call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PST), seven days a week. During other times, call the poison control center 1-800-222-1222.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish, aquatic invertebrates, and birds. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
This product may not be used for any applications involving food contact, food packaging, or drinking water.

HeiQ Viroblock NPJ03 is an antimicrobial additive for commercial and industrial use. It is designed to be incorporated into materials and intermediate polymer and coating solutions during the manufacturing process to impart durable antimicrobial and preservative activity to manufactured products. The product suppresses the growth of mold, discoloration, degradation or contamination caused microbes. Environmental activity in the manufactured product could lead to unpleasant odors, discoloration, deterioration or contamination of the product. Some ink claims may be made for the manufactured product. Manufactured products incorporating HeiQ Viroblock NPJ03 may not make any public health claims relating to antimicrobial activity unless first obtaining an EPA registration for the manufactured product. When incorporated into treated articles, HeiQ Viroblock NPJ03 does not prevent transmission of any such manufactured product or other against food-borne or disease-causing organisms. Treated articles HeiQ Viroblock NPJ03 does not prevent transmission of any such manufactured product or other against food-borne or disease-causing bacteria, viruses, fungi or other disease-causing organisms.

HeiQ Viroblock NPJ03 may be used in materials and intermediate polymer and coating and finishing solutions that may be incorporated into the treated article, listed below. For coating and finishing-type applications using solutions, the final treated article may contain a maximum of 0.0019% (by weight) of silver. For all other applications, the final treated article may contain from 0.001% to 0.01% (by weight) of silver. Contact HeiQ Materials AG to determine the appropriate amount of HeiQ Viroblock NPJ03 for individual finished product.

Registrazioni:

US EPA, EU BPR, US FDA

US EPA

- 49403-38-81446
- 85249-1-81446

EU BPR

- N-91819 (D)

US FDA

FFR Respirators

- HVP-FFP2-01
- Ministero della Salute negli E.A.U.
- Classificazione Prodotto in Arabia Saudita

**virus
free** 

il Punto 
service

Vi offriamo l'opportunità di aumentare la sicurezza e la protezione in questi periodi difficili, aggiungendo anche la possibilità di ottimizzare i costi derivanti per l'implementazione delle misure di prevenzione.

Inquadrando il QR-CODE sottostante sarete reindirizzati alla pagina del nostro sito, dedicata a questi prodotti, dove sarà possibile visualizzare e scaricare la documentazione completa.

Per qualsiasi altra necessità in merito restiamo, come sempre, a disposizione.

