

Organic 121 Scientific P Ltd

FORESIGHT + RESEARCH + INNOVATION

Report Code	MS-21092020-01				
Issued To	INMAS-DRDO				
Via	Gel Craft Healthcare Pvt Ltd				
Sample Description	Antimicrobial Efficacy of VISCOELASTIC Gel Coated with COVID COATING				
Sample Received	14/08/2020				
Report Issued	20/09/2020				

Study:- Antimicrobial Efficacy of VISCOELASTIC Gel Coated with COVID COAT

Sr. No	Test Parameters	Units of Measurements	Results	Test Method
Microbio	ological Parameters			
1	Antifungal Efficacy			
	For 30 Sec contact time		99.9	
	For 1 Day contact time	%	99.9	EN 1650
	For 15 Days contact time	70	70.8	
	For 30 Days Contact time		64.1	

Summary: Fungal cultures were grown, mainly Aspergillus bresiliensis or Candida albicans. 1:10 dilution of the test sample was prepared. 8 Part of diluted test sample, 1 part of suspension and 1 part of interfering substance (Bovine Serum Albumin) were mixed. The BSA was maintained at dirty conditions i.e. 3g/L. The solution is mixed then allowed to rest for 30 Seconds, 1 Day, 15 Days, and 30 Days contact time. After contact time elapse, sample of mixture are neutralized and evaluated for microbiological plating techniques. Populations after treatment are compared to controls to determine microbial reduction.

Conclusion: The reduction in the efficacy of the test solution on day 15 and day 30 could be because of the following reasons:

- 1. Simulation of dirty conditions with an interfering substance added to test solution
- 2. Use of diluted product instead of concentrated solution.

The product could show better results if concentrated solution is used and clean conditions are maintained.

ORCS Disinfection Unit+ Trivogani - Trials Data

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Aug 19/20

Delhi/st. app

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Sample Identification	Test Organism	Exposure	Count of Test Organism			Antimicrobial Activity	
		Time	Intial After Exposure				
			Count	CFU/ml	Log	Log	Percentage
						Reduction	Reduction
VISCOELASTIC	Staph. Aureus		2.1 x 10 ⁵ ,				
Gel Coated with			CFU/ml	<10	<1	>4.32	>99.99
COVID COAT		5 minutes	L=5.32				
	Esc. Coli		2.60 x 10 ⁵ ,				
			CFU/ml	<10	<l< td=""><td>>4.41</td><td>>99.99</td></l<>	>4.41	>99.99
			L=5,41		-		
	P. Aeruginosa		1.98 x 10 ⁵ ,				
			CFU/ml	<10	<1	>4.29	>99.99
			L=5.32				
	S.typhimurium	1	1.85 105				
			CFU/ml	<10	<1	>4.26	>99,99
			Log-5.07				
	C. albicans		1.36 x 10 ⁵	7	,		
			CFU/ml	<10	<1	>4.07	>99.99
			L=5.13				
***	Asp. niger						
				<10	<1	>4.13	>99.99

Percentage Reduction of Microorganisms = 100 (Initial – After Exposure)/Initial Log Reduction = Log Initial – Log after Exposure

INTERPRETATION:

ViscoElastic Gel Coated with COVID COAT has shown a >4 log reduction / >99.99% reduction of Staphylococcus aureus, Escherichia Coli, Pseudomonas Aeruginosa, Salmonella Typhimurium, Candida Albicans and Aspergillus Niger in exposure of 5 minutes when analysed as per ASTM E 2315-16

Wash Efficacy Test

Samples Showed antimicrobial Activity after 5 washes

Terms & Conditions:

- 1 Test reports are valid only or the samples tested in our laboratory.
- 2. Samples will be destroyed after 30days from the date of issued test Reports unless or otherwise specified.
- 3. This report will not be valid for judicial purpose or for advertisement
- 4. Any complaints about this report should be, communicated in writing within 7 days of this report.

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Director Lab/Estt

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Batch code: EUINBA-00076498

Report date: 17.10.2020

Organic121 Scientific Pvt. Ltd. - Gurgaon 298, LG Floor, Sector-55, 122003Gurgaon. INDIA

Dr. Hemant Gupta

ANALYTICAL REPORT

Sample code:

258-2020-10000681

Report code:

AR-20-IR-061379-01

Sample name:

After coating with COVIDCOAT

Received on:

05 10 2020

Sample reference

Customer Provided Details:

Analysed between:

05.10.2020 - 15.10.2020

Sampling Location: Delhi

Company Name: Organic121 Scientific Pvt Ltd

Date and Time of Sampling: 3/10/2020-10:30 AM

Environmental Condition: OK

Sampling Procedure: EASI-SOP-MIC-25 SAMPLED COLLECTED BY EUROFINS

Quantity received: Sample packing:

1 No Tube

Condition on receipt:

Good

Sampling:

SAMPLED COLLECTED BY

EUROFINS

MICROBIOLOGICAL

Method

Result Unit

IRIIJ IR Sars Cov2 Surface testing - Total

qRT-PCR technique, VIRSeek SARS-CoV-2

Negative /Swab

Screen (Eurofins Technologies)

Remarks: The presence of targeted E-Gene was not detected in the tested sample indicating that Negative result for the specific test. The tests identified by the two letters code IR are performed by Eurofins Analytical Services India (Bangalore), INDIA.

Sourably

Mr Sourabh Halder

Assistant Manager - Microbiology

********* END OF REPORT *********

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