

TEST REPORT

Date: April 6, 2021

Test fabric: Ionic+Metalized

Wash conditions: 25X wash

Requested by: Noble Biomaterials, Inc.

Address: 300 Palm St Scranton PA 19505

Test requested: % Viral Reduction by RT-PCR



Sample Name	Test items	Test method	Test instruments
Ionic+Metalized 25X wash	Antiviral Activity	RT-PCR/ISO 18184/	Step One Plus Applied Biosystems/ BSL-3

Controls

Sample ID	Viral load, Ct number and status by RT-PCR		
	Baseline t = 0 mins	Copies/ μ l	Sample viral status by RTPCR
Control virus nasopharyngeal swab (no cells or fabric) Positive control	17	80000000	Positive
Control cells infected	22	1250000	Positive
Control fabric	29	12500	Positive
Control cell culture media + saline + antibiotics (no virus) Negative control	46	58	Negative

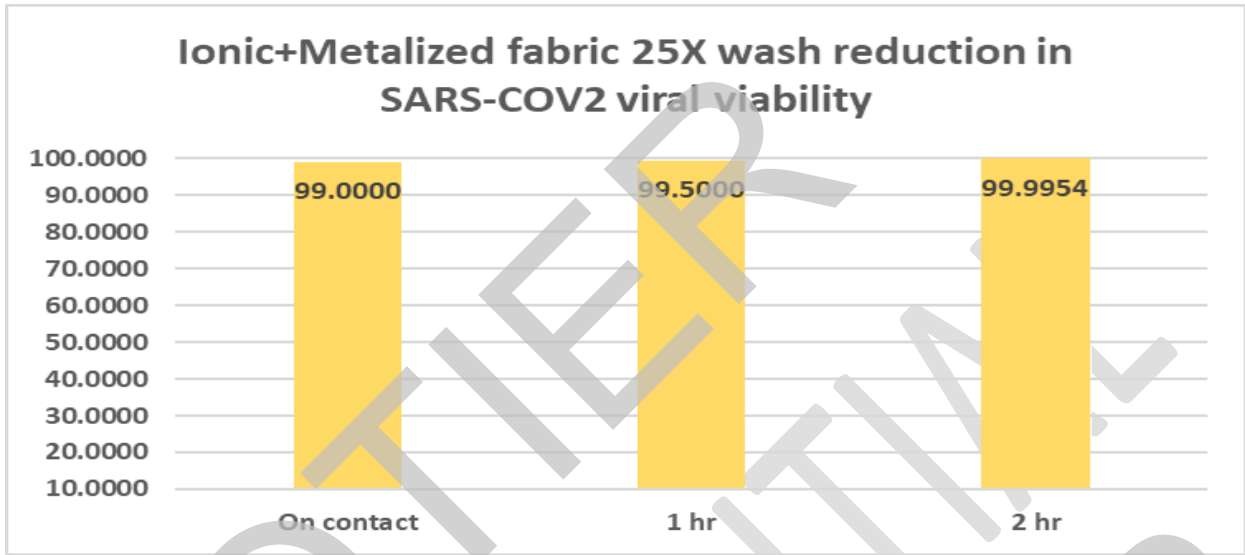
Sample ID	Ct value	copies/ μ l	% reduction
Viral load in cell culture after t=0 mins of contact	29	12500	99.0000
Viral load in cell culture after t = 1 hr. of contact	30	6250	99.5000
Viral load in cell culture after t = 2 hrs. of contact	42	58	99.9954
Viral load diluted (10^{-3})	Ct value	copies/ μ l	% reduction
Viral load in cell culture after 0 mins of contact	44	58	99.9954
Viral load in cell culture after 10 mins of contact	40	58	99.9954
Viral load in cell culture after 30 mins of contact	38	58	99.9954
Viral load in cell culture after 1 hr. of contact	40	58	99.9954
Viral load in cell culture after 2 hrs. of contact	32	3750	99.7000

*Ct values calculated by instrument. Copies/ μ l calculated by linear regression of data

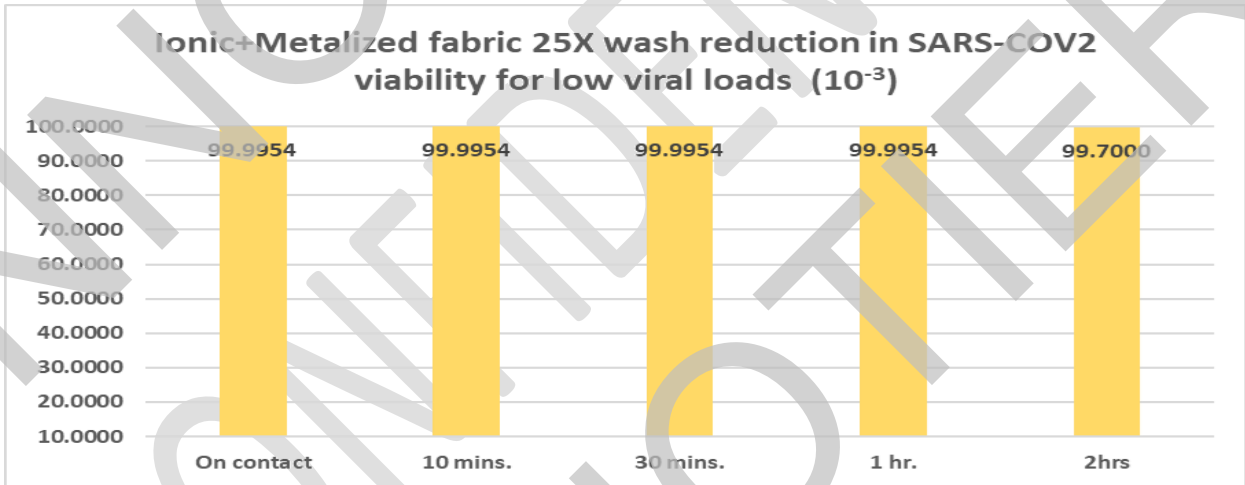
FQ Research

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*Control fabric as specified by ISO 18184



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Approved by

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