

TEXCELL CERTIFICATION ON NANOE-X INHIBITION OF SARS-COV2 VIRUS WHICH CAUSES COVID-19

Test Report

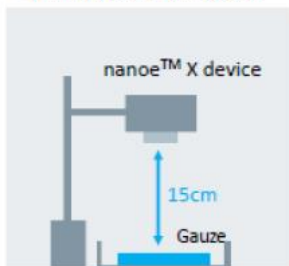
nanoe™ X inhibits activity of adhered novel coronavirus (SARS-CoV-2) over 99.99% in 2 hours.

Test outline

- (1) Testing organisation: Texcell (France)
- (2) Test subject: Adhered novel coronavirus (SARS-CoV-2)
- (3) Test volume: 45L enclosed box (400mm × 350mm × 350mm)
- (4) Test result: Virus activity inhibited over 99.99% in 2 hours
- (5) Report No.: 1140-01 A1

Test ambient

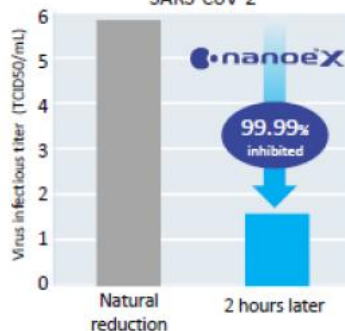
45L BOX (350×350×400mm)



Appliances Company
Panasonic Corporation

Test result

SARS-CoV-2



Texcell

CERTIFICATE OF INVESTIGATION STUDY

STUDY OF VALIDATION OF THE EFFICIENCY OF nanoeX ON SARS-COV2 BY NO GLP VIRAL CLEARANCE STUDY (FIO)

Study number: 1140-01 A1
Study report for:

Sponsor: PANASONIC CORPORATION APPLIANCES COMPANY

2-3-1-2 Noji-higashi,
Kanitsu City
Shiga 525-8555
Japan

Submitted by:

Test Facility: TEXCELL
Test facility management: Boisson Bruno

Signature: *B. Boisson*
Gensavim 5
1 rue Pierre Fortaine
91058 Evry cedex
France

In Panasonic conditions of use:

An inactivation and reduction titer of 4.37 (99.995%) Log of Sars-Cov-2 in 2 hours was demonstrated in a 45 L. Box

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Statut de l'entreprise au 31/03/2020: 444 304 509 - 41.5.000 - 00120012 - Version: FINAL

TEST CERTIFICATION OF NANOE-X

NANOE™ VIRUS SUPPRESSION TEST RESULTS

[Description of the test]

Five types of pet-related viruses were exposed to nanoe™ charged water particles to verify the virus suppression effects

[Test result]

Over 99% of each of the five types of viruses was suppressed within the number of hours indicated below.

Subject	Time (Hr)	Suppression rate
(1) Feline Coronavirus	2	99.3%
(2) Canine Adenovirus	4	99.4%
(3) Canine Distemper virus	4	99.7% (Below the detection limit)
(4) Canine Parvovirus	6	99.8%
(5) Canine Herpes Virus	4	99.5%

*Value converted by Panasonic

For more detail, please refer to the link below.

<https://www.panasonic.com/global/corporate/technology-design/technology/nanoe/news/20120220.html>

TEST CERTIFICATION OF NANOE-X

NANOE™ VIRUS SUPPRESSION TEST RESULTS

Verified test items for nanoe™ charged water particles						
Test item		Results	Test conditions		Test laboratory	Report No.
			Capacity volume (L)	Time (Hr)		
Virus suppression	Bird flu viruses H5N1 and H9N2 subtypes	Suppressed by 99.9% (*6)	45	4	Test laboratory: National University Corporation Obihiro University of Agriculture and Veterinary Medicine Research Center for Animal Hygiene and Veterinary Medicine	
	Canine distemper viruses	Suppressed by 98.2% (*6)	45	4	Test laboratory: School Corporation Rakuno Gakuen Rakuno Gakuen University	
	Influenza viruses H1n1 type	Suppressed by 99.9% (*6)	45	4	Japan Food Research Laboratories	208040534 - 001
	Feline calicivirus (related form of norovirus)	Suppressed by 99.9% (*6)	25	2	Japan Food Research Laboratories	207031493 - 001

*6 Value converted by Panasonic

For more detail, please refer to the link below.

<https://www.panasonic.com/global/corporate/technology-design/technology/nanoe/news/20120126.html>