

Microbe Investigations AG

LS21-01998

Report date: July 20, 2021

Customer: Cleanwipe Sweden AB

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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	Cleanwipe Sweden AB	E. Nordlof	-
Distributor	-	-	-
Brand owner	-	-	-
Brand label	-	Application at	-
Reason for testing	Product testing	Application by	Not specified
Effects	-	Scale	-

Test Methods

Effect / Property	Testing standard	Test parameter
Quantitative virucidal suspension test for chemical disinfectant	EN 14476:2019	Human coronavirus 229E (ATCC VR-740)

Test results: Very good effect level

Test summary / comments:

- In the test EN ISO 14476, the "Antibac wipes disinfectant liquid" sample **PASSED** the testing against *Human coronavirus 229E*.

Samples, finishing process and textile information

Sample	Sample description
1	Antibac wipes disinfectant liquid

Test Method

The EN 14476:2019 is a quantitative suspension test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in medical areas. The test method specifies the minimum virucidal activity requirements of general-purpose disinfectant that form a homogeneous, physically stable preparation either when diluted with hard water or ready to use product.

The test method involves mixing 1ml of virus test suspension in 1ml of interfering substance (Clean condition 0.3 g/l bovine albumin: Dirty condition 3.0 g/L bovine albumin and 3.0ml/l erythrocytes) and 8 ml of test product. The mixture is kept at temperature for specific period as per the customer. After the contact period, 0.5 ml from test mixture is removed and added to 4.5 ml of ice-cold tissue culture medium. The virucidal activity of the product is then evaluated by TCID50 titration.

Quantitative Suspension Test

EN 14476:2019: *Human coronavirus 229E (ATCC VR-740)*

Sub-Samples	1-1	1-1
Test Conditions	Clean 0.3 g/l bovine albumin	Dirty 3 g/l bovine albumin + 3.0 ml/l erythrocytes
Product Concentration Human coronavirus 229E	Neat	Neat
Contacting Time Human coronavirus 229E [min]	30	30
Test Temperature Human coronavirus 229E [°C]	25	25
Log10(a) (control solution) Human coronavirus 229E	6.87	6.87
Log10(b) (product test solution, after contact period) Human coronavirus 229E	2.75	2.83
Log10(R) (Reduction) Human coronavirus 229E	4.12	4.04
Activity	PASS	PASS