



Public Health Institute Ostrava
Center of clinical laboratories
Workplace 1 - Ostrava
Laboratory for testing virucidal activity
Partyzánské nám.2633/7, Moravská Ostrava, 702 00 Ostrava
VAT: CZ71009396



L 1554

TEST REPORT n. 8/2019/SVU

Quantitative carrier test for the evaluation of virucidal activity of instrument disinfection
Test method and requirements (phase 2/ step 2) according to EN 17111:2018

Customer:
SCHULKE CZ s.r.o.
Lidická 445
735 95 Bohumín
CZ

Order number: not specified
Contract number: ZU/36718/2019
Reference number: ZU/36804/2019

Identification of desinfectant – sample:

Product name:	CHIROSAN PLUS
Lot number:	105A190715
Expiration:	2021-07-15
Producer:	SCHULKE CZ
Storage conditions:	-10 °C to 25 °C
Diluent product recommended by the producer for use:	drinking water
Product appearance:	white powder
The active substance(s) and its (their) concentration:	peracetic acid generated in situ
Purpose of product:	instrument disinfection in medical area
Date of delivery of the product:	13.11.2019
Date of test:	27.11. – 23.5.2020

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Results - for details see annex:

According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by hard water to 2% solution reduced virus titre $4,500 \pm 0,356 \text{ lg}$ after an exposure time 10 min and 15 min at temperature $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$, under clean conditions (0,3 g/l Bovine serum albumin), using viral titration on monolayer cell culture on a microtitre plate by reduction of reference virus *Adenovirus type 5, strain Adenoid 75*, i.e. **demonstrated virucidal activity to Adenovirus by more than 4 lg.***

According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by hard water to 1% and 0,5% solution reduced virus titre $4,500 \pm 0,356 \text{ lg}$ after an exposure time 15 min at temperature $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$, under clean conditions (0,3 g/l Bovine serum albumin), using viral titration on monolayer cell culture on a microtitre plate by reduction of reference virus *Adenovirus type 5, strain Adenoid 75*, i.e. **demonstrated virucidal activity to Adenovirus by more than 4 lg.***

According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by hard water to 1%, 0,5% and 0,1% solution reduced virus titre $4,500 \pm 0,356 \text{ lg}$ after an exposure time 30 min at temperature $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$, under dirty conditions (3,0 g/l Bovine serum albumin + erythrocytes), using viral titration on monolayer cell culture on a microtitre plate by reduction of reference virus *Adenovirus type 5, strain Adenoid 75*, i.e. **demonstrated virucidal activity to Adenovirus by more than 4 lg.***

According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by hard water to 2% solution reduced virus titre $5,000 \pm 0,000 \text{ lg}$ after an exposure time 10 min and 15 min at temperature $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$, under clean conditions (0,3 g/l Bovine serum albumin), using viral titration on monolayer cell culture on a microtitre plate by reduction of reference virus *Murine norovirus, strain S99*, i.e. **demonstrated virucidal activity to Norovirus by more than 4 lg.***

According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by hard water to 1% and 0,5% solution reduced virus titre $5,500 \pm 0,000 \text{ lg}$ after an exposure time 15 min at temperature $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$, under clean conditions (0,3 g/l Bovine serum albumin), using viral titration on monolayer cell culture on a microtitre plate by reduction of reference virus *Murine norovirus, strain S99*, i.e. **demonstrated virucidal activity to Norovirus by more than 4 lg.***

According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by hard water to 1% and 0,5% solution reduced virus titre $5,000 \pm 0,000 \text{ lg}$ after an exposure time 30 min at temperature $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$, under dirty conditions (3,0 g/l Bovine serum albumin + erythrocytes), using viral titration on monolayer cell culture on a microtitre plate by reduction of reference virus *Murine norovirus, strain S99*, i.e. **demonstrated virucidal activity to Norovirus by more than 4 lg.***

**The statement of compliance is based on a 95% coverage probability for the expanded uncertainty.*

Conclusion and interpretation:

According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by water to **2%** solution demonstrated virucidal activity under the clean conditions after exposure time 10 min.

According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by water to **1%** solution demonstrated virucidal activity under the clean conditions after exposure time 15 min.

According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by water to **0,5%** solution demonstrated virucidal activity under the clean conditions after exposure time 15 min.


According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by water to **1%** solution demonstrated virucidal activity under the dirty conditions after exposure time 30 min.

According to EN 17111:2018 the test product **CHIROSAN PLUS**, lot.n. 105A190715, designed for instrument disinfection in medical area, diluted by water to **0,5%** solution demonstrated virucidal activity under the dirty conditions after exposure time 30 min.

In Ostrava, 25.5.2020

Approved by: Mgr. Ludmila Porubová

Guarantor of testing


Zdravotní ústav se sídlem v Ostravě
Centrum klinických laboratoří
Oddělení virologie
Partyzánské náměstí 2633/7
Moravská Ostrava 702 00 Ostrava
Telefon: 596 200 111, 310, 312 3

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