OCC Switzerland

Efficacy Bulletin

OROLIN® Multisept Plus

PRODUCT DESCRIPTION

OROLIN® Multisept Plus is a powerful concentrate for the manual disinfection and cleaning of medical and surgical instruments. The solution is bactericidal, tuberculocidal, mycobactericidal, yeasticidal and virucidal in 15 minutes. The unique formulation contains powerful corrosion inhibitors resulting in a solution far less corrosive than water on copper alloys, iron and tin. Tests confirm compatibility with stainless steel and most non-metal materials including acrylic glass, Plexiglas®, polyamides, polyethylene, PVC and silicone. OROLIN® Multisept Plus is free of aldehydes, phenols and chlorine. Suitable for use in ultrasonic cleaning devices.

INTRODUCTION

The product has been tested for compatibility with a variety of materials and devices, which are expected to come in contact with the product during its intended use. Testing was performed according to the below mentioned methods.

RELEVANT PHYSICAL AND CHEMICAL PROPERTIES

Composition in 100 g:	3.6 g didecyldimethylammonium chloride, 9.1 g alkylamine, cleaning booster, auxiliaries
Physical state:	Clear, slightly viscous liquid
pH-value:	11.5 - 13
pH-value in aqueous solution (2%):	10 - 11.5

Bacteria

BACTERICIDAL - EN 13727

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity in the medical area – Test method requirements (phase 2, step 1)

Test method: Suspension test

Test temperature:

Clean condition

Concentration: **Time:**

Required log reduction: **Achieved log reduction:**

Test date:

Dirty condition

Concentration: 2 **Time:** 5 minutes

Required log reduction: **Achieved log reduction:**

Test date:

Bacteriah

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ANTIBIOTIC-RESISTANT BACTERIA - EN 13727

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity in the medical area – Test method requirements (phase 2, step 1)

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

Fungi

YEASTICIDAL - EN 13624

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of fungicidal activity of chemical disinfectants for instruments used in medical area – Test method requirements (phase 2, step 1)

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

Mycobacteria

MYCOBACTERICIDAL - EN 14348

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics in the medical area including instrument disinfectants-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature:

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Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

TUBERCULOCIDAL - EN 14348

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics in the medical area including instrument disinfectants-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

Viruses

ADENOVIRUS TYPE 5 -

Test method:

Test temperature:

Clean condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: Time:

Required log reduction: Achieved log reduction:

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Test date:

BVDV - RKI / DVV GUIDELINES

Guideline of the German Association for the Control of Viral Diseases (DVV) and of the Robert Koch Institute (RKI) regarding the testing of chemical disinfectants used in human medicine for efficacy against viruses.

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

CORONAVIRUS - EN 14476

Chemical disinfectants and antiseptics- Viricidal quantitative suspension test for the evaluation chemical disinfectants and antiseptics used in human medicine- Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

HEPATITIS B VIRUS - RKI / DVV GUIDELINES

Guideline of the German Association for the Control of Viral Diseases (DVV) and of the Robert Koch Institute (RKI) regarding the testing of chemical disinfectants used in human medicine for efficacy against viruses.

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

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Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

HEPATITIS C VIRUS - RKI / DVV GUIDELINES

Guideline of the German Association for the Control of Viral Diseases (DVV) and of the Robert Koch Institute (RKI) regarding the testing of chemical disinfectants used in human medicine for efficacy against viruses.

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

HERPES SIMPLEX VIRUS TYPE 1 - RKI / DVV GUIDELINES

Guideline of the German Association for the Control of Viral Diseases (DVV) and of the Robert Koch Institute (RKI) regarding the testing of chemical disinfectants used in human medicine for efficacy against viruses.

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

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HIV - RKI / DVV GUIDELINES

Guideline of the German Association for the Control of Viral Diseases (DVV) and of the Robert Koch Institute (RKI) regarding the testing of chemical disinfectants used in human medicine for efficacy against viruses.

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

INFLUENZA A VIRUS H1N1 - RKI / DVV GUIDELINES

Guideline of the German Association for the Control of Viral Diseases (DVV) and of the Robert Koch Institute (RKI) regarding the testing of chemical disinfectants used in human medicine for efficacy against viruses.

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 5 minutes

Required log reduction: Achieved log reduction:

Test date:

NON-ENVELOPED VIRUSES - EN 14476

Chemical disinfectants and antiseptics- Viricidal quantitative suspension test for the evaluation chemical disinfectants and antiseptics used in human medicine- Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

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Test date:

Dirty condition

Concentration: 2 Time: 15 minutes

Required log reduction: Achieved log reduction:

Test date:

NOROVIRUS MNV - EN 14476

Chemical disinfectants and antiseptics- Viricidal quantitative suspension test for the evaluation chemical disinfectants and antiseptics used in human medicine- Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature:

Clean condition

Concentration: 2 Time: 10 minutes

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

POLIOVIRUS TYPE 1 LSC-2AB - EN 14476

Chemical disinfectants and antiseptics- Viricidal quantitative suspension test for the evaluation chemical disinfectants and antiseptics used in human medicine- Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature:

Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

Dirty condition

Concentration: 2 Time: 15 minutes

Required log reduction: Achieved log reduction:

Test date:

VACCINIA VIRUS STRAIN ELSTREE - RKI / DVV GUIDELINES

Guideline of the German Association for the Control of Viral Diseases (DVV) and of the Robert Koch Institute (RKI) regarding the testing of chemical disinfectants used in human medicine for efficacy against viruses.

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Test method: Suspension test

Test temperature:

Clean condition

Concentration: **Time:**

Required log reduction: **Achieved log reduction:**

Test date:

Dirty condition

Concentration: 2 **Time:** 5 minutes

Required log reduction: **Achieved log reduction:**

Test date:

Virusesu

ENVELOPED VIRUSES - RKI / DVV GUIDELINES

Guideline of the German Association for the Control of Viral Diseases (DVV) and of the Robert Koch Institute (RKI) regarding the testing of chemical disinfectants used in human medicine for efficacy against viruses.

Test method: Suspension test

Test temperature:

Clean condition

Concentration: **Time:**

Required log reduction: **Achieved log reduction:**

Test date:

Dirty condition

Concentration: 2 **Time:** 5 minutes

Required log reduction: **Achieved log reduction:**

Test date:

Fehraltorf, 17.05.2019
Oro Clean Chemie AG

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