



# Efficacy Bulletin

## DENTIRO® Zero

### PRODUCT DESCRIPTION

DENTIRO® Zero is an alcohol-free, ready-to-use solution for the fast disinfection and cleaning of non-invasive medical devices with sensitive surfaces such as abdominal and vaginal ultrasound probes and infusion pumps. DENTIRO® Zero is particularly suitable for the disinfection of alcohol-sensitive materials such as natural and artificial leather, Plexiglas®, and soft PVC. The active compounds of DENTIRO® Zero do not evaporate and therefore, reduce surface re-contamination.

### 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:         | 0.4 g benzalkonium chloride, 0.4 g N-alkyl aminopropyl glycine |
| Physical state:               | Clear, non-viscous liquid                                      |
| pH-value:                     | 8 - 8.5  |
| pH-value in aqueous solution: | Not applicable (ready-to-use solution)                         |

### Bacteria

#### ACETOBACTER ACETI - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

#### ACHROMOBACTER XYLOSOXIDANS - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)



Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 7.11       |
| Test date:              | 07.11.2014 |                         |            |

**BACILLUS LICHENIFORMIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.54       |
| Test date:              | 27.02.2015 |                         |            |

**BACILLUS PUMILIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |



**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

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**BACILLUS SUBTILIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

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**BACTEROIDES FRAGILIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 09.03.2015 |                         |            |



**BACTEROIDES OVATUS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

**BORDETELLA BRONCHISEPTICA - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 7.15       |
| Test date:              | 07.11.2014 |                         |            |

**BORDETELLA PERTUSSIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**



|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.64       |
| Test date:              | 07.11.2014 |                         |            |

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**BREVUNDIMONAS DIMINUTA - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 7.23       |
| Test date:              | 27.02.2015 |                         |            |

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**BURKHOLDERIA CEPACIA - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.71       |
| Test date:              | 07.11.2014 |                         |            |

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#### CAMPYLOBACTER JEJUNI - EN 1276

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Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time: 30 seconds

Required log reduction: 5.00

Achieved log reduction: 6.08

Test date: 07.11.2014

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#### CANDIDA GLABRATA - EN 1275

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Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics- Test method and requirements (phase 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time: 30 seconds

Required log reduction: 4.00

Achieved log reduction: 6.04

Test date: 27.02.2015

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#### CANDIDA KRUSEI - EN 1275

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Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics- Test method and requirements (phase 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:



Test date:

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.00       |
| Test date:              | 03.02.2015 |                         |            |

**CANDIDA PARAPSILOSIS - EN 1275**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics- Test method and requirements (phase 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.00       |
| Test date:              | 03.02.2015 |                         |            |

**CHROMOBACTERIUM VIOLACEUM - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

### CHRYSEOBACTERIUM INDOLOGENES - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time: 60 seconds

Required log reduction: 5.00

Achieved log reduction: 5.00

Test date: 03.02.2015

### CITROBACTER FREUNDII - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time: 30 seconds

Required log reduction: 5.00

Achieved log reduction: 7.48

Test date: 07.11.2014

### CLOSTRIDIUM DIFFICILE (VEGETATIVE) - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition





|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.20       |
| Test date:              | 07.11.2014 |                         |            |

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**CLOSTRIDIUM PERFRINGENS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.96       |
| Test date:              | 27.02.2015 |                         |            |

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**COMAMONAS TESTOSTERONI - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 09.03.2015 |                         |            |

### CORYNIBACTERIUM UREALYTICUM - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time:

60 seconds

Required log reduction: 5.00

Achieved log reduction:

5.00

Test date: 03.02.2015

### ENTEROBACTER AEROGENES - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time:

30 seconds

Required log reduction: 5.00

Achieved log reduction:

7.00

Test date: 07.11.2014

### ENTEROBACTER CLOACAE - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition



|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.72       |
| Test date:              | 07.11.2014 |                         |            |

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#### ENTEROBACTER GERGOVIAE - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.90       |
| Test date:              | 27.02.2015 |                         |            |

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#### ENTEROCOCCUS CASSELI FLAVUS - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.71       |
| Test date:              | 27.02.2015 |                         |            |



**ENTEROCOCCUS FAECALIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.72       |
| Test date:              | 07.11.2014 |                         |            |

**ENTEROCOCCUS FAECIUM - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

**ENTEROCOCCUS HIRAE - 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: 20 °C

**Clean condition**

|                |            |       |            |
|----------------|------------|-------|------------|
| Concentration: | Undiluted. | Time: | 60 seconds |
|----------------|------------|-------|------------|



|                         |            |                         |      |
|-------------------------|------------|-------------------------|------|
| Required log reduction: | 5.00       | Achieved log reduction: | 5.49 |
| Test date:              | 20.10.2014 |                         |      |

#### Dirty condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

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#### ENTEROCOCCUS HIRAE - DGHM STANDARD METHODS

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DGHM Standard Methods for testing of chemical disinfectants.

|                   |              |
|-------------------|--------------|
| Test method:      | Carrier test |
| Test temperature: | 20 °C        |

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.26       |
| Test date:              | 19.12.2011 |                         |            |

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#### ENTEROCOCCUS HIRAE - DGHM STANDARD METHODS

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DGHM Standard Methods for testing of chemical disinfectants.

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.27       |
| Test date:              | 19.12.2011 |                         |            |

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#### ENTEROCOCCUS HIRAE - EN 13697

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Chemical disinfectants and antiseptics-Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food and industrial, domestic and institutional areas – Test method and requirements without mechanical action(phase 2,step 2)



Test method: Carrier test  
 Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.26       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

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**ENTEROCOCCUS HIRAE - EN 1276**

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Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.50       |
| Test date:              | 30.03.2012 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

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**ENTEROCOCCUS HIRAE - EN 14561**

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

Test method: Carrier test  
 Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.36       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**



Concentration: Time:  
 Required log reduction: Achieved log reduction:  
 Test date:

**ENTEROCOCCUS HIRAE - EN 1656**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary field-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 10 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.52       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**ENTEROCOCCUS HIRAE - EN 14349**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary field on non-porous surfaces without mechanical action-Test method and requirements (phase 2, step 2)

Test method: Suspension test  
 Test temperature: 10 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.44       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**ESCHERICHIA COLI - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test



Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.52       |
| Test date:              | 30.03.2012 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**ESCHERICHIA COLI - EN 13697**

Chemical disinfectants and antiseptics-Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food and industrial, domestic and institutional areas – Test method and requirements without mechanical action(phase 2,step 2)

Test method: Carrier test  
 Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.45       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**ESCHERICHIA COLI O157:H7 - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**





|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.84       |
| Test date:              | 07.11.2014 |                         |            |

#### FUSOBACTERIUM NUCLEATUM - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

#### GARDNERELLA VAGINALIS - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

#### HAEMOPHILUS INFLUENZA - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)



Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.36       |
| Test date:              | 07.11.2014 |                         |            |

**KLEBSIELLA OXYTOCA - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.79       |
| Test date:              | 01.11.2014 |                         |            |

**KLEBSIELLA PNEUMONIAE - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |



### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.51       |
| Test date:              | 07.11.2014 |                         |            |

### KLEBSIELLA TERRIGENA - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 09.03.2015 |                         |            |

### KOCCURIA RHIZOPHILA STREPTOMYCIN RESISTANT - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |



### KYTOCOCCUS SEDENTARIUS - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time: 60 seconds

Required log reduction: 5.00

Achieved log reduction: 5.00

Test date: 03.02.2015

### LEGIONELLA BOZEMANE - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time: 60 seconds

Required log reduction: 5.00

Achieved log reduction: 5.00

Test date: 09.03.2015

### LEGIONELLA PNEUMOPHILA - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition



|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.18       |
| Test date:              | 07.11.2014 |                         |            |

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**LISTERIA INNOCUA - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.76       |
| Test date:              | 27.02.2015 |                         |            |

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**LISTERIA MONOCYTOGENES - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.54       |
| Test date:              | 07.11.2014 |                         |            |



**MALESSEZIA FURFUR - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

**MICROCOCCUS LUTEUS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

**MORAXELLA CATARRHALIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**



|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.38       |
| Test date:              | 07.11.2014 |                         |            |

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**NEISSERIA FLAVESCENS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

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**NEISSERIA MENINGITIDIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.45       |
| Test date:              | 07.11.2014 |                         |            |

### PORPHYSONOMAS GINGIVALIS - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time:

60 seconds

Required log reduction: 5.00

Achieved log reduction:

5.00

Test date: 03.02.2015

### PREVOTELLA INTERMEDIA - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time:

60 seconds

Required log reduction: 5.00

Achieved log reduction:

5.00

Test date: 03.02.2015

### PROPIONIBACTERIUM ACNES - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition





|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

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**PROTEUS MIRABILIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 7.20       |
| Test date:              | 07.11.2014 |                         |            |

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**PROTEUS VULGARIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.89       |
| Test date:              | 07.11.2014 |                         |            |




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#### PROTEUS VULGARIS - EN 14349

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary field on non-porous surfaces without mechanical action-Test method and requirements (phase 2, step 2)

Test method: Suspension test

Test temperature: 10 °C

#### Clean condition

Concentration: Undiluted.

Time: 60 seconds

Required log reduction: 5.00

Achieved log reduction: 5.13

Test date: 20.10.2014

#### Dirty condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

---

#### PROTEUS VULGARIS - EN 1656

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary field-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 10 °C

#### Clean condition

Concentration: Undiluted.

Time: 60 seconds

Required log reduction: 5.00

Achieved log reduction: 5.55

Test date: 20.10.2014

#### Dirty condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

---

#### PSEUDOMONAS AERUGINOSA - EN 1656

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary field-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 10 °C

#### Clean condition

Concentration: Undiluted.

Time: 60 seconds

Required log reduction: 5.00

Achieved log reduction: 5.53



Test date: 20.10.2014

**Dirty condition**

|                         |                         |
|-------------------------|-------------------------|
| Concentration:          | Time:                   |
| Required log reduction: | Achieved log reduction: |
| Test date:              |                         |

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**PSEUDOMONAS AERUGINOSA - EN 14349**

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Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary field on non-porous surfaces without mechanical action-Test method and requirements (phase 2, step 2)

Test method: Suspension test  
 Test temperature: 10 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.46       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                         |                         |
|-------------------------|-------------------------|
| Concentration:          | Time:                   |
| Required log reduction: | Achieved log reduction: |
| Test date:              |                         |

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**PSEUDOMONAS AERUGINOSA - EN 13697**

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Chemical disinfectants and antiseptics-Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food and industrial, domestic and institutional areas – Test method and requirements without mechanical action(phase 2,step 2)

Test method: Carrier test  
 Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.23       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                         |                         |
|-------------------------|-------------------------|
| Concentration:          | Time:                   |
| Required log reduction: | Achieved log reduction: |
| Test date:              |                         |



**PSEUDOMONAS AERUGINOSA - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.45       |
| Test date:              | 30.03.2012 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**PSEUDOMONAS AERUGINOSA - EN 14561**

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

Test method: Carrier test  
 Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.73       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**PSEUDOMONAS AERUGINOSA - DGHM STANDARD METHODS**

DGHM Standard Methods for testing of chemical disinfectants.

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |



Test date:

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.45       |
| Test date:              | 19.12.2011 |                         |            |

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**PSEUDOMONAS AERUGINOSA - DGHM STANDARD METHODS**

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DGHM Standard Methods for testing of chemical disinfectants.

Test method: Carrier test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.10       |
| Test date:              | 19.12.2011 |                         |            |

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**PSEUDOMONAS AERUGINOSA - EN 13727**

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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: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.55       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

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**PSEUDOMONAS AERUGINOSA - EN 1040**

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Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic bactericidal activity of chemical disinfectants and antiseptics-Test method and requirements (phase1)

Test method: Suspension test



Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.45       |
| Test date:              | 30.03.2012 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**PSEUDOMONAS FLUORESCENS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

**RALSTONIA PICKETTII - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**



|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

**SALMONELLA BONGORI - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.91       |
| Test date:              | 07.11.2014 |                         |            |

**SALMONELLA ENTERICA - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 7.85       |
| Test date:              | 07.11.2014 |                         |            |

**SALMONELLA SERINFONTIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)



Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 7.04       |
| Test date:              | 27.02.2015 |                         |            |

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**SALMONELLA TYPHIMURIUM - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.04       |
| Test date:              | 07.11.2014 |                         |            |

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**SARCINA LUTEA - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |





**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

**SERRATIA MARCESCENS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 7.04       |
| Test date:              | 07.11.2014 |                         |            |

**SPHINGOMONAS PAUCIMOBILIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 03.02.2015 |                         |            |

**STAPHYLOCOCCUS AUREUS - DGHM STANDARD METHODS**

DGHM Standard Methods for testing of chemical disinfectants.

Test method: Suspension test



Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.60       |
| Test date:              | 19.12.2011 |                         |            |

**STAPHYLOCOCCUS AUREUS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.34       |
| Test date:              | 30.03.2012 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**STAPHYLOCOCCUS AUREUS - 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: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.51       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                |  |       |  |
|----------------|--|-------|--|
| Concentration: |  | Time: |  |
|----------------|--|-------|--|



Required log reduction: Achieved log reduction:  
 Test date:

**STAPHYLOCOCCUS AUREUS - EN 1040**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic bactericidal activity of chemical disinfectants and antiseptics-Test method and requirements (phase1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.34       |
| Test date:              | 30.03.2012 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**STAPHYLOCOCCUS AUREUS - DGHM STANDARD METHODS**

DGHM Standard Methods for testing of chemical disinfectants.

Test method: Carrier test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.48       |
| Test date:              | 19.12.2011 |                         |            |

**STAPHYLOCOCCUS AUREUS - EN 14561**

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

Test method: Carrier test  
 Test temperature: 20 °C

**Clean condition**

|                |            |       |            |
|----------------|------------|-------|------------|
| Concentration: | Undiluted. | Time: | 60 seconds |
|----------------|------------|-------|------------|



Required log reduction: 5.00      Achieved log reduction: 5.19  
 Test date: 20.10.2014

**Dirty condition**

Concentration:      Time:  
 Required log reduction:      Achieved log reduction:  
 Test date:

**STAPHYLOCOCCUS AUREUS - EN 13697**

Chemical disinfectants and antiseptics-Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food and industrial, domestic and institutional areas – Test method and requirements without mechanical action(phase 2,step 2)

Test method: Carrier test  
 Test temperature: 20 °C

**Clean condition**

Concentration: Undiluted.      Time: 60 seconds  
 Required log reduction: 5.00      Achieved log reduction: 5.55  
 Test date: 20.10.2014

**Dirty condition**

Concentration:      Time:  
 Required log reduction:      Achieved log reduction:  
 Test date:

**STAPHYLOCOCCUS AUREUS - EN 14349**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary field on non-porous surfaces without mechanical action-Test method and requirements (phase 2, step 2)

Test method: Suspension test  
 Test temperature: 10 °C

**Clean condition**

Concentration: Undiluted.      Time: 60 seconds  
 Required log reduction: 5.00      Achieved log reduction: 5.57  
 Test date: 20.10.2014

**Dirty condition**

Concentration:      Time:  
 Required log reduction:      Achieved log reduction:  
 Test date:



**STAPHYLOCOCCUS AUREUS - EN 1656**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary field-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 10 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.54       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**STAPHYLOCOCCUS CAPITIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.88       |
| Test date:              | 27.02.2015 |                         |            |

**STAPHYLOCOCCUS COHNII - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                |  |       |  |
|----------------|--|-------|--|
| Concentration: |  | Time: |  |
|----------------|--|-------|--|



Required log reduction:

Achieved log reduction:

Test date:

**Dirty condition**

Concentration: Undiluted.

Time: 60 seconds

Required log reduction: 5.00

Achieved log reduction: 5.00

Test date: 09.03.2015

**STAPHYLOCOCCUS EPIDERMIDIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

**Clean condition**

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

**Dirty condition**

Concentration: Undiluted.

Time: 30 seconds

Required log reduction: 5.00

Achieved log reduction: 6.67

Test date: 07.11.2014

**STAPHYLOCOCCUS HOMINIS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

**Clean condition**

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

**Dirty condition**

Concentration: Undiluted.

Time: 60 seconds

Required log reduction: 5.00

Achieved log reduction: 5.00

Test date: 09.03.2015



### STAPHYLOCOCCUS INTERMEDIUS - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 7.00       |
| Test date:              | 27.02.2015 |                         |            |

### STAPHYLOCOCCUS LUGDUNENSIS - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.00       |
| Test date:              | 09.03.2015 |                         |            |

### STAPHYLOCOCCUS WARNERI - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

#### Clean condition



Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time: 30 seconds

Required log reduction: 5.00

Achieved log reduction: 6.46

Test date: 27.02.2015

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#### STENOTROPHOMONAS MALTOPHILA - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time: 30 seconds

Required log reduction: 5.00

Achieved log reduction: 5.48

Test date: 27.02.2015

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#### STREPTOCOCCUS AGALACTIAE - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test

Test temperature: 20 °C

#### Clean condition

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

#### Dirty condition

Concentration: Undiluted.

Time: 30 seconds

Required log reduction: 5.00

Achieved log reduction: 6.43

Test date: 07.11.2014





**STREPTOCOCCUS PNEUMONIAE - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.65       |
| Test date:              | 07.11.2014 |                         |            |

**STREPTOCOCCUS PYOGENES - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.20       |
| Test date:              | 07.11.2014 |                         |            |

**VIBRIO PARAHAEMOLYTICUS - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**



|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.64       |
| Test date:              | 07.11.2014 |                         |            |

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#### YERSINIA ENTEROCOLITICA - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.57       |
| Test date:              | 27.02.2015 |                         |            |

#### Bacteria

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#### ACINETOBACTER BAUMANNII - EN 1276

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

#### Clean condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Dirty condition

|                |            |       |            |
|----------------|------------|-------|------------|
| Concentration: | Undiluted. | Time: | 30 seconds |
|----------------|------------|-------|------------|



Required log reduction: 5.00                                      Achieved log reduction: 6.93  
 Test date: 07.11.2014

**EXTENDED-SPECTRUM BETA-LACTAMASE ESCHERICHIA COLI - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

Concentration:    Time:  
 Required log reduction:    Achieved log reduction:  
 Test date:

**Dirty condition**

Concentration: Undiluted.    Time: 30 seconds  
 Required log reduction: 5.00    Achieved log reduction: 6.59  
 Test date: 07.11.2014

**METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS CLINICAL ISOLATE 4628-2 - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

Concentration: Undiluted.    Time: 60 seconds  
 Required log reduction: 5.00    Achieved log reduction: 5.47  
 Test date: 30.03.2012

**Dirty condition**

Concentration:    Time:  
 Required log reduction:    Achieved log reduction:  
 Test date:

**METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS CLINICAL ISOLATE 4628-2 - EN 1276**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test



Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.49       |
| Test date:              | 30.03.2012 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

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**METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS CLINICAL ISOLATE 4628-2 - EN 1276**

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Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 5.55       |
| Test date:              | 30.03.2012 |                         |            |

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**VANCOMYCIN-RESISTANT ENTEROCOCCUS FAECALIS - EN 1276**

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Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**



|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 5.00       | Achieved log reduction: | 6.73       |
| Test date:              | 07.11.2014 |                         |            |

**Fungi**

**ANTIBIOTIC-RESISTANT CANDIDA ALBICANS - EN 1275**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics- Test method and requirements (phase 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 5.73       |
| Test date:              | 07.11.2014 |                         |            |

**CANDIDA ALBICANS - DGHM STANDARD METHODS**

DGHM Standard Methods for testing of chemical disinfectants.

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.33       |
| Test date:              | 19.12.2011 |                         |            |

**CANDIDA ALBICANS - DGHM STANDARD METHODS**

DGHM Standard Methods for testing of chemical disinfectants.

Test method: Carrier test  
 Test temperature: 20 °C



**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.10       |
| Test date:              | 19.12.2011 |                         |            |

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**CANDIDA ALBICANS - EN 1275**

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Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics- Test method and requirements (phase 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.46       |
| Test date:              | 30.03.2012 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

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**CANDIDA ALBICANS - EN 1650**

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Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of fungicidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirements (phase 2, step 1)

|                   |                 |
|-------------------|-----------------|
| Test method:      | Suspension test |
| Test temperature: | 20 °C           |

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.46       |
| Test date:              | 30.03.2012 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |



Test date:

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**CANDIDA ALBICANS - EN 13624**

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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: 20 °C

**Clean condition**

Concentration: Undiluted.

Time: 60 seconds

Required log reduction: 4.00

Achieved log reduction: 4.52

Test date: 20.10.2014

**Dirty condition**

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

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**CANDIDA ALBICANS - EN 13697**

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Chemical disinfectants and antiseptics-Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food and industrial, domestic and institutional areas – Test method and requirements without mechanical action(phase 2,step 2)

Test method: Carrier test

Test temperature: 20 °C

**Clean condition**

Concentration: Undiluted.

Time: 60 seconds

Required log reduction: 3.00

Achieved log reduction: 4.17

Test date: 20.10.2014

**Dirty condition**

Concentration:

Time:

Required log reduction:

Achieved log reduction:

Test date:

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**CANDIDA ALBICANS - EN 14562**

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

Test method: Carrier test

Test temperature: 20 °C

**Clean condition**

Concentration: Undiluted.

Time: 60 seconds



Required log reduction: 4.00 Achieved log reduction: 4.31  
 Test date: 20.10.2014

**Dirty condition**

Concentration: Time:  
 Required log reduction: Achieved log reduction:  
 Test date:

CANDIDA ALBICANS - EN 1657

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

Test method: Suspension test  
 Test temperature: 10 °C

**Clean condition**

Concentration: Undiluted. Time: 60 seconds  
 Required log reduction: 4.00 Achieved log reduction: 4.20  
 Test date: 20.10.2014

**Dirty condition**

Concentration: Time:  
 Required log reduction: Achieved log reduction:  
 Test date:

CANDIDA UTILIS - EN 1275

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics- Test method and requirements (phase 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

Concentration: Time:  
 Required log reduction: Achieved log reduction:  
 Test date:

**Dirty condition**

Concentration: Undiluted. Time: 30 seconds  
 Required log reduction: 4.00 Achieved log reduction: 5.41  
 Test date: 27.02.2015





**RHODOTORULA MUCILAGINOSA - EN 1275**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics- Test method and requirements (phase 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.00       |
| Test date:              | 03.02.2015 |                         |            |

**SACCHAROMYCES CEREVISIAE - EN 1275**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics- Test method and requirements (phase 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 5.98       |
| Test date:              | 27.02.2015 |                         |            |

**ZYGOSACCHAROMYCES ROUXII - EN 1275**

Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics- Test method and requirements (phase 1)

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |



Test date:

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.00       |
| Test date:              | 03.02.2015 |                         |            |

**Mycobacteria**

MYCOBACTERIUM AVIUM - 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: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 minutes |
| Required log reduction: | 4.00       | Achieved log reduction: | 5.03       |
| Test date:              | 15.05.2014 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

MYCOBACTERIUM AVIUM - EN 14204

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

Test method: Suspension test  
 Test temperature: 10 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.86       |
| Test date:              | 20.10.2014 |                         |            |

**Dirty condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

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### MYCOBACTERIUM AVIUM - EN 14563

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Chemical disinfectants and antiseptics-Quantitative carrier test for the evaluation of mycobactericidal or tuberculocidal activity of chemicals used for instruments in medical area – Test method requirements (phase 2, step 2)

Test method: Carrier test

Test temperature: 20 °C

#### Clean condition

Concentration: Undiluted. Time: 60 seconds

Required log reduction: 4.00 Achieved log reduction: 5.98

Test date: 20.10.2014

#### Dirty condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

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### MYCOBACTERIUM AVIUM - EN 14563

---

Chemical disinfectants and antiseptics-Quantitative carrier test for the evaluation of mycobactericidal or tuberculocidal activity of chemicals used for instruments in medical area – Test method requirements (phase 2, step 2)

Test method: Carrier test

Test temperature: 10 °C

#### Clean condition

Concentration: Undiluted. Time: 60 seconds

Required log reduction: 4.00 Achieved log reduction: 5.34

Test date: 20.10.2014

#### Dirty condition

Concentration: Time:

Required log reduction: Achieved log reduction:

Test date:

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### MYCOBACTERIUM TERRAE - 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: 20 °C

#### Clean condition

Concentration: Undiluted. Time: 60 minutes

Required log reduction: 4.00 Achieved log reduction: 5.43



Test date: 15.05.2014

**Dirty condition**

|                         |                         |
|-------------------------|-------------------------|
| Concentration:          | Time:                   |
| Required log reduction: | Achieved log reduction: |
| Test date:              |                         |

**Viruses**

ADENOVIRUS TYPE 5 - 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: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 minutes |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.50       |
| Test date:              | 15.05.2014 |                         |            |

**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: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 60 minutes |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.00       |
| Test date:              | 15.05.2014 |                         |            |

**Dirty condition**

|                         |                         |
|-------------------------|-------------------------|
| Concentration:          | Time:                   |
| Required log reduction: | Achieved log reduction: |
| Test date:              |                         |




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### ROTAVIRUS STRAIN WA - EN 14476

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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: 20 °C

#### Clean condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.63       |
| Test date:              | 15.05.2014 |                         |            |

#### Dirty condition

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

#### Virusesu

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### BOVINE VIRAL DIARRHEA VIRUS - RKI / DVV GUIDELINES

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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: 20 °C

#### Clean condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 5.45       |
| Test date:              | 18.06.2011 |                         |            |

#### Dirty condition

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 5.27       |
| Test date:              | 18.06.2011 |                         |            |

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### 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: 20 °C

#### Clean condition

|                |            |       |            |
|----------------|------------|-------|------------|
| Concentration: | Undiluted. | Time: | 30 seconds |
|----------------|------------|-------|------------|



|                         |            |                         |      |
|-------------------------|------------|-------------------------|------|
| Required log reduction: | 4.00       | Achieved log reduction: | 4.00 |
| Test date:              | 22.06.2011 |                         |      |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.07       |
| Test date:              | 22.06.2011 |                         |            |

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**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: | 20 °C           |

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 5.45       |
| Test date:              | 18.06.2011 |                         |            |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 5.27       |
| Test date:              | 18.06.2011 |                         |            |

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**HERPES SIMPLEX VIRUS TYPE 1 - RKI / DVV GUIDELINES**

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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: | 20 °C           |

**Clean condition**

|                         |  |                         |  |
|-------------------------|--|-------------------------|--|
| Concentration:          |  | Time:                   |  |
| Required log reduction: |  | Achieved log reduction: |  |
| Test date:              |  |                         |  |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 15 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 5.62       |
| Test date:              | 18.07.2011 |                         |            |

#### HUMAN IMMUNODEFICIENCY 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: 20 °C

##### Clean condition

Concentration: Undiluted. Time: 30 seconds

Required log reduction: 4.00 Achieved log reduction: 4.00

Test date: 22.06.2011

##### Dirty condition

Concentration: Undiluted. Time: 30 seconds

Required log reduction: 4.00 Achieved log reduction: 4.07

Test date: 22.06.2011

#### INFLUENZA A VIRUS H5N1 - 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: 20 °C

##### Clean condition

Concentration: Undiluted. Time: 30 seconds

Required log reduction: 4.00 Achieved log reduction: 4.00

Test date: 22.06.2011

##### Dirty condition

Concentration: Undiluted. Time: 30 seconds

Required log reduction: 4.00 Achieved log reduction: 4.00

Test date: 22.06.2011

#### INFLUENZA A VIRUS H1N1 - 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: 20 °C

##### Clean condition

Concentration: Time:

Required log reduction: Achieved log reduction:



Test date:

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 15 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.57       |
| Test date:              | 20.06.2011 |                         |            |

**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.

Test method: Suspension test  
 Test temperature: 20 °C

**Clean condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.00       |
| Test date:              | 22.06.2011 |                         |            |

**Dirty condition**

|                         |            |                         |            |
|-------------------------|------------|-------------------------|------------|
| Concentration:          | Undiluted. | Time:                   | 30 seconds |
| Required log reduction: | 4.00       | Achieved log reduction: | 4.07       |
| Test date:              | 22.06.2011 |                         |            |

Fehraltorf, 21.02.2017  
**Oro Clean Chemie AG**

Juerg Suter  
 Sales Manager





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