

## STERI-7 XTRA Concentrate

### Technical Information

#### Product Description

STERI-7 XTRA Concentrate is formulated to be diluted and dispensed for high volume cleaning solutions. STERI-7 XTRA Concentrate is low-foaming which makes it ideal in cleaning and scrubbing machines. This also represents the most economical way to purchase as it can be diluted up to 1:50.

#### Recommended usage

The STERI-7 XTRA Concentrate can be used wherever the highest standards of disinfection is required and are suitable for use in healthcare and food processing environments and all other workplaces where there is a risk of cross contamination. The product has been tested against and is effective against a number of commonly occurring bacteria, yeast and viruses that are known to be highly transmissible and can result in infections and illnesses.

#### Features and benefits

- Reactive Barrier Technology protection between cleans
- High level disinfectant cleaner
- Non-corrosive
- Non-residual organoleptic effect on food
- Low toxicity
- Effective in soft or hard water
- No reported resistance
- Triple active reducing need to rotate products
- Maintains efficacy in heavy organic soiling, blood and proteins

#### Characteristics

| Perfume Free, colourless, liquid |  |
|----------------------------------|--|
| Active Ingredient                | 1.47% w/w Didecyltrimethylammonium chloride<br>0.86% w/w Benzalkonium chloride<br>0.854% w/w Polyhexamethylene biguanide |
| Colour                           | Colourless, clear  |
| Odour                            | Slight odour   |
| Oxidising                        | Non-oxidising (by EC criteria)   |
| Solubility in water              | Soluble  |
| Viscosity                        | Non-viscous  |
| Flash point °C                   | >93  |
| Relative Density                 | 0.95 – 1.05  |
| pH                               | Approx 7   |

#### Ingredients

| CAS Number | Ingredient Name                   |
|------------|-----------------------------------|
| 7173-51-5  | Didecyltrimethylammonium Chloride |
| 68424-85-1 | Benzalkonium chloride             |
| 32289-58-0 | Polyhexamethylenebiguanide        |

#### Instructions for use

High Level = 1:10 General use = 1:50 Fogging = 1:10 - 1:50. When used in STERI-7 BioMister for fogging, please refer to our BioMist Technical Information Sheet.

#### Regulatory compliance

The STERI-7 Concentrate is governed by the requirements of the Biocidal Product Directive (EU Regulation 98/8/EC). It is registered in every country that it will be sold. The product is labelled in accordance with the Biocidal Product Directive.

#### Safety Data Sheet

For information on safe handling an EC safety data sheet containing additional information is available on request for the STERI-7 XTRA Concentrate. Please contact your local STERI-7 representative.

#### Safe handling and storage

Wear suitable protective clothing and apparatus where appropriate. Avoid contact with eyes. Diluted STERI-7 XTRA Concentrate can be kept in a sealed container for up to 12 months. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet (see above).

For any more information about STERI-7 please contact us at : [info@steri-7.com](mailto:info@steri-7.com)



## Bactericidal Efficacy

### EN 1276 –

#### Test objective

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)

| Target organism             | Contact Time | Dilution |
|-----------------------------|--------------|----------|
| Enterococcus hirae          | 45 secs      | 2%       |
| Escherichia coli            | 45 secs      | 2%       |
| Klebsiella pneumoniae NDM-1 | 5 mins       | 2%       |
| Staphylococcus aureus       | 45 secs      | 2%       |
| Pseudomonas aeruginosa      | 45 secs      | 2%       |
| Acinetobacter Baumannii     | 5 mins       | 2%       |
| Campylobacter jejuni        | 5 mins       | 2%       |
| Salmonella typhimurium      | 30 secs      | 2%       |
| Listeria monocytogenes      | 30 secs      | 2%       |
| MRSA                        | 30 secs      | 2%       |

### EN 13623 –

#### Test objective

Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of bactericidal activity against Legionella of chemical disinfectants for aqueous systems. Test method and requirements (phase 2, step 1)

| Target organism        | Contact Time | Dilution |
|------------------------|--------------|----------|
| Legionella pneumophila | 60 mins      | 0.2%     |
| Legionella pneumophila | 5 mins       | 2%       |

### EN 13697 –

#### Test objective

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

| Target organism        | Contact Time | Dilution |
|------------------------|--------------|----------|
| Enterococcus hirae     | 30 secs      | 2%       |
| Listeria monocytogenes | 30 secs      | 2%       |
| EMRSA                  | 5 mins       | 2%       |
| MRSA                   | 30 secs      | 2%       |
| Pseudomonas aeruginosa | 1 mins       | 2%       |
| Salmonella typhimurium | 30 secs      | 2%       |
| Staphylococcus aureus  | 1 mins       | 2%       |
| Escherichia coli       | 30 secs      | 2%       |

### EN 13727 –

#### Test objective

Suspension-based study formally used to evaluate bactericidal activity of products that are used in the medical area (e.g. hygienic handrub, hygienic handwash, surgical handrub, surgical handwash, instrument disinfection etc.)

| Target organism        | Contact Time | Dilution |
|------------------------|--------------|----------|
| Enterococcus hirae     | 1 mins       | 2%       |
| Listeria monocytogenes | 5 mins       | 2%       |
| MRSA                   | 5 mins       | 2%       |
| Pseudomonas aeruginosa | 1 mins       | 2%       |
| Salmonella typhimurium | 5 mins       | 2%       |
| Staphylococcus aureus  | 1 mins       | 2%       |

### EN 14349 –

#### Test objective

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

| Target organism        | Contact Time | Dilution |
|------------------------|--------------|----------|
| Proteus vulgaris       | 5 mins       | 2%       |
| Pseudomonas aeruginosa | 5 mins       | 2%       |
| Staphylococcus aureus  | 5 mins       | 2%       |
| Enterococcus hirae     | 5 mins       | 2%       |

# STERI-7

PROTECTION BETWEEN CLEANS

## Yeast, Mould & Fungi Efficacy

### EN 1650 –

#### Test objective

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)

| Tested target organism | Contact Time | Dilution |
|------------------------|--------------|----------|
| Aspergillus fumigatus  | 15 mins      | 2%       |
| Aspergillus Niger      | 15 mins      | 2%       |

### EN 13697 –

#### Test objective

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

| Tested target organism | Contact Time | Dilution |
|------------------------|--------------|----------|
| Candida Albicans       | 15 mins      | 2%       |
| Aspergillus Niger      | 15 mins      | 2%       |

## Virucidal Efficacy

### EN 14476 – Quantitative suspension test for virucidal activity (in vitro)

#### Test objective

Suspension-based study used as a presumptive test to evaluate virucidal activity.

| Tested target organism | Contact Time | Dilution |
|------------------------|--------------|----------|
| Norovirus              | 5 mins       | 2%       |
| Feline Calicivirus     | 5 mins       | 2%       |

### EN 14675 –

#### Test objective

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

| Tested target organism | Contact Time | Dilution |
|------------------------|--------------|----------|
| Koi Herpes Virus       | 20 mins      | 4%       |

### ASTM E 1052

#### Test objective

The ASTM E1052 method is performed to determine the virucidal efficacy of a biocide against a test virus in suspension. The method may be used to establish the initial efficacy of several disinfectant active concentrations at various selected contact times. It is also used to determine the anti-viral effectiveness of liquid hand soaps, over-the-counter (OTC) topicals, and other antiseptics designed for use on the skin. The test is conducted according to the standards and methods accepted by the US Environmental Protection Agency (EPA) and Food and Drug Administration (FDA) for registration of the product as a virucidal agent.

| Tested target organism      | Contact Time | Dilution |
|-----------------------------|--------------|----------|
| Bovine viral diarrhea virus | 5 mins       | 2%       |
| Feline Calicivirus          | 5 mins       | 2%       |
| Hepatitis C                 | 5 mins       | 2%       |
| Influenza A virus H1N1      | 5 mins       | 2%       |
| SARS virus                  | 5 mins       | 2%       |
| HIV 1                       | 5 mins       | 2%       |

### AHVLA–

| Tested target organism | Contact Time | Dilution |
|------------------------|--------------|----------|
| Avian Flu              | 30 mins      | 5%       |
| NDV                    | 30 mins      | 5%       |

For any more information about our testing and test results please contact us at : [info@steri-7.com](mailto:info@steri-7.com)

## Sporicidal Efficacy

### EN 14347 –

#### Test objective

Chemical disinfectants and antiseptics – Basic sporicidal activity – Test method and requirements (phase 1)

| Tested target organism | Contact Time | Dilution |
|------------------------|--------------|----------|
| Bacillus cereus        | 30 mins      | 2%       |
| Bacillus subtilis      | 30 mins      | 2%       |

### EN 13697 –

#### Test objective

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

| Tested target organism | Contact Time | Dilution |
|------------------------|--------------|----------|
| Clostridium Difficile  | 1 mins       | 2%       |
| Bacillus subtilis      | 1 mins       | 2%       |

### EN 13704 –

#### Test objective

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

| Tested target organism  | Contact Time | Dilution |
|-------------------------|--------------|----------|
| Clostridium Difficile   | 1 mins       | 2%       |
| Clostridium perfringens | 5 mins       | 2%       |

## Micobacterium Efficacy

### EN 14204 –

#### Test objective

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

| Tested target organism  | Contact Time | Dilution |
|-------------------------|--------------|----------|
| Mycobacterium fortuitum | 5 mins       | 2%       |

### EN 14348 –

#### Test objective

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

| Tested target organism | Contact Time | Dilution |
|------------------------|--------------|----------|
| Mycobacterium terrae   | 30 mins      | 2%       |

### EN 14563 –

#### Test objective

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

| Tested target organism  | Contact Time | Dilution |
|-------------------------|--------------|----------|
| Mycobacterium avium     | 3 mins       | 2%       |
| Mycobacterium terrae    | 3 mins       | 2%       |
| Mycobacterium fortuitum | 3 mins       | 2%       |