Sterillium® classic pure
The classic among rub-in hand disinfectants. Colourant- and fragrance-free. For hygienic and surgical hand disinfection.
Sterillium® classic pure

Product properties
- Colourant- and fragrance-free
- Possesses an excellent immediate effect
- Provides very good residual effect
- Excellent skin tolerability even with long-term use

Composition
Active ingredients in 100g:
- Propan-2-ol 45.0 g, propan-1-ol 30.0 g, meclofenam etilsulfate 0.2 g.
- Other ingredients: Glycerol 85%, tetradecan-1-ol, purified water.

Microbiology
- Bactericidal
- Yeasticidal
- Tuberculocidal (Mycobacterium terrae)
- Mycobactericidal
- Yeasticidal
- Bactericidal
- Virucidal against enveloped viruses (incl. HBV, HIV, HCV)
- Adeno-, polyoma- and rotaviruses

Areas of application
Sterillium® classic pure is used as ready-to-use alcohol-based rub-in product – independently of water and washbasin – in all areas of health care and industry where hygiene is important as well as in home dialysis and when travelling to prevent infections. Areas of application in detail:

For hygienic and surgical disinfection in healthcare:
- In inpatient facilities and functional areas such as operating theatres, intensive care units and infection departments
- In treatment rooms and outpatient departments
- In ambulances
- In laboratories and domestic services departments
- In hospital and canteen kitchens
- By emergency medical services
- In medical practices of all disciplines
- In home care of patients, elderly and babies
- For home dialysis

Directions for use
Sterillium® classic pure is rubbed undiluted into the dry hands; be sure that the hands are completely covered during the application time. Keep special attention to fingertips and thumbs. The product should be applied with an easy-to-use dispenser which is ideally elbow-operated.

For these dispensers, BODE offers single use product containers for most hygienic preconditions.

- Hygienic hand disinfection: 30 seconds
- Surgical hand disinfection: 1.5 minutes

Use disinfectants safely. Always read the label and product information before use.

Compatibility with care products
The efficacy of Sterillium® classic pure is not influenced by the prior use of selected BODE hand care products.

- Hygienic hand disinfection acc. to EN 1500 after use of Baktolan® lotion, Baktolan® balm and any other Baktolan® products

Surgical hand disinfection within 1.5 minutes
In 2005, a study for the first time investigated the efficacy of the alcohol-based hand disinfectant Sterillium® for surgical hand disinfection with different application times (3, 2, 1.5 and 1 minute) in comparison with the 3-minute reference treatment in accordance with EN 12791 (1).

Even with an exposure time of 1.5 minutes only, Sterillium®’s immediate and sustained effect is still superior to the 3-minute reference procedure.

Further studies have confirmed the efficacy, even with additional application to forearms and elbows (2, 3). The Federal Institute for Drugs and Medical Devices (BfArM) authorised the reduced application time in 2005. Since 2007, the Association for Applied Hygiene (VAH) certifies surgical hand disinfection procedures with exposure times below the previously approved minimum application time of 3 minutes.

Another study (4) with Sterillium® could proof that an exposure time of only 1.5 minutes does not influence the long-term effect of surgical hand disinfection. After 6 hours under the glove, Sterillium®’s colonisation rate was as low as the rate of the reference procedure with a 3-minute application time.

The exposure time of 1.5 minutes applies to the complete Sterillium® range of products and – depending on the preparation – meanwhile has become standard. The advantages include less consumption and, according to a study, time savings of approx. 1,000 working hours per year (5).

At any point in time, Sterillium® with application times of 1.5 and 3 minutes was at least as effective as the reference treatment. Also, its bacterial colonisation rate approximately corresponded to the reference alcohol.


Research for infection protection.
# Proven efficacy

<table>
<thead>
<tr>
<th><strong>Bacteria and fungi</strong></th>
<th><strong>Hygienic Hand Disinfection</strong></th>
<th><strong>Surgical Hand Disinfection</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EN Phase 2 / Step 2</strong></td>
<td>Bactericidal (EN 13727)</td>
<td>15 sec.</td>
</tr>
<tr>
<td><strong>EN Phase 2 / Step 1</strong></td>
<td>Yeasticidal (EN 13624)</td>
<td>15 sec.</td>
</tr>
<tr>
<td><strong>EN Phase 1</strong></td>
<td>Bactericidal (EN 1040)</td>
<td>15 sec.</td>
</tr>
<tr>
<td><strong>VAH</strong></td>
<td>Bactericidal / Yeasticidal</td>
<td>30 sec.</td>
</tr>
<tr>
<td><strong>Certified Application</strong></td>
<td>Recommendations for Surgical Hand Disinfection from the VAH.</td>
<td>Based on suspension and practical tests.</td>
</tr>
<tr>
<td><strong>ASTM</strong></td>
<td>Bactericidal (FDA)</td>
<td>30 sec.</td>
</tr>
<tr>
<td><strong>Viruses</strong></td>
<td><strong>MERS-CoV</strong></td>
<td>30 sec.</td>
</tr>
<tr>
<td><strong>EN Phase 2 / Step 1</strong></td>
<td>Adenovirus (EN 14476)</td>
<td>1 min.</td>
</tr>
<tr>
<td><strong>DVV</strong></td>
<td>Virucidal against enveloped viruses (incl. HBV, HIV, HCV)</td>
<td>15 sec.</td>
</tr>
<tr>
<td><strong>DVV</strong></td>
<td>Influenza-A-Virus (avian)</td>
<td>15 sec.</td>
</tr>
<tr>
<td><strong>DVV</strong></td>
<td>Influenza-A-Virus (human)</td>
<td>15 sec.</td>
</tr>
<tr>
<td><strong>DVV</strong></td>
<td>Herpes simplex Virus type 1 and 2</td>
<td>15 sec.</td>
</tr>
<tr>
<td><strong>EN Phase 2 / Step 1</strong></td>
<td>Bactericidal (EN 13727)</td>
<td>15 sec.</td>
</tr>
<tr>
<td><strong>VAH</strong></td>
<td>Bactericidal / Yeasticidal</td>
<td>15 sec.</td>
</tr>
<tr>
<td><strong>Certified Application</strong></td>
<td>Recommendations for prophylactic skin disinfection from the Association of Applied Hygiene (VAH). Based on suspension and practical tests.</td>
<td>For skin low and in sebaceous glands</td>
</tr>
<tr>
<td><strong>EN</strong></td>
<td>Bactericidal (EN 13727)</td>
<td>15 sec.</td>
</tr>
</tbody>
</table>

## Chemical-physical data

- **Appearance**: Transparent, colourless
- **Density (20 °C)**: approx. 0.85g/cm³
- **pH-value 50 % (v/v)**: approx. 8.3
- **Flashpoint**: (acc. to DIN 51755) 23 °C

## Stability

- **After opening**:
  - in tightly closed container or with pre-installed pump: 12 months
  - other dispensers: 6 months

## Publications

- **Hygienic hand disinfection**

## Listing

- List of the Robert Koch-Institute (RKI)
  - **Effect area A**
  - **List of disinfectants of the Association for Applied Hygiene (former DGHM list)**
  - **IHO virucidal list**

## Stability

- **After opening**:
  - in tightly closed container or with pre-installed pump, dosing pump, Eurodispenser 2, 3, 3000: 12 months
  - other dispensers: 6 months
**Microbiological activities**


**Skin tolerability**


**Others**


---

**Presentation**

100 ml bottle, 500 ml bottle, 1 litre bottle, 5 litre canister

**Note:** The recommendations regarding our preparations are based on scientific tests and are given in good faith. More detailed recommendations, e.g. regarding material compatibility, are only possible in particular cases. Our recommendations are without obligation and do not constitute a warranty. They do not preclude a company's own testing for the intended purposes and processes. In this respect we cannot accept any liability. This complies with our general conditions of sale and supply.

---

**Better compliance through good skin compatibility**

Introducing Sterillium® to a medical intensive care unit (MICU) as alternative to washing increased compliance with hand disinfection by almost 20 per cent. These results were attributed to Sterillium®’s good skin tolerability, even with repeated application.


Research for infection protection.

---

**For more product information visit**

[www.bode-chemie.com](http://www.bode-chemie.com)