Sterillium®
The classic among rub-in hand disinfectants for hygienic and surgical hand disinfection.

Very good skin tolerance. Comprehensively active against enveloped viruses. For operating theatres and wards.

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Sterillium®

Product properties
- best peer-reviewed hand disinfectant – quality since 1965
- 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, mecoetroniumetisulfate 0.2 g.
Other ingredients: Glycerol 85 %, tetradecan-1-ol, fragrances, patent blue V 85 %, purified water.

Microbiology
- bactericidal
- yeasticidal
- tuberculocidal
- mycobactericidal
- virucidal against enveloped viruses (incl. HBV, HIV, HCV)
- adeno-, polyoma- and rotaviruses

Areas of application
Sterillium® is used as ready-to-use alcohol-based rub-in product – independently of water and wash-basin – to prevent infection in all areas of health care and industry where hygiene is important as well as in home dialysis and when travelling. Areas of application in detail:
- For hygienic and surgical disinfection:
  - 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
  - in domestic services departments
  - in hospital and canteen kitchens
  - by emergency medical services
  - in medical practices of all disciplines
  - in home care of patients
  - in home dialysis

Directions for use
Sterillium® 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.

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).

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.

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).


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### Proven efficacy

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<td>DVV</td>
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<td>VAH</td>
<td>Certified Application Recommendations for prophylactic skin disinfection from the Association for Applied Hygiene (VAH). Based on suspension and practical tests</td>
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<td>For skin low and rich in sebaceous glands</td>
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<td>Bactericidal/Yeasticidal skin low in sebaceous glands prior to injections and punctures</td>
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<td></td>
<td>Bactericidal/Yeasticidal skin low in sebaceous glands prior to punctures of joints, body cavities, hollow organs and before surgical procedures</td>
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<td>Bactericidal/Yeasticidal skin rich in sebaceous glands before all procedures</td>
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### Compatibility with care products

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

- Hygienic hand disinfection acc. to EN 1500 after use of Baktolan® balm, Baktolan® lotion, Baktolan® cream, Baktolan® protect, Baktolan® protect+ pure

The prior use of Sterillium® does not or not significantly interfere with the durability of the most common single-use glove materials such as latex, nitrile and vinyl.

### Listing

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

### Chemical-physical data

- Appearance: transparent, light blue
- Density: 0.851 g/cm³
- Flashpoint: 23 °C (acc. to DIN 51755)

### Stability

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

Hygienic hand disinfection

Surgical hand disinfection

Microbiological activities

Skin tolerability

Others

Presentation
50 ml bottle, 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 possible only in separate, individual cases. Our recommendations are not binding and do not constitute a guarantee. They do not preclude a company’s own testing for the intended purpose and process. In this respect we cannot accept any liability. This is in accordance 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.


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