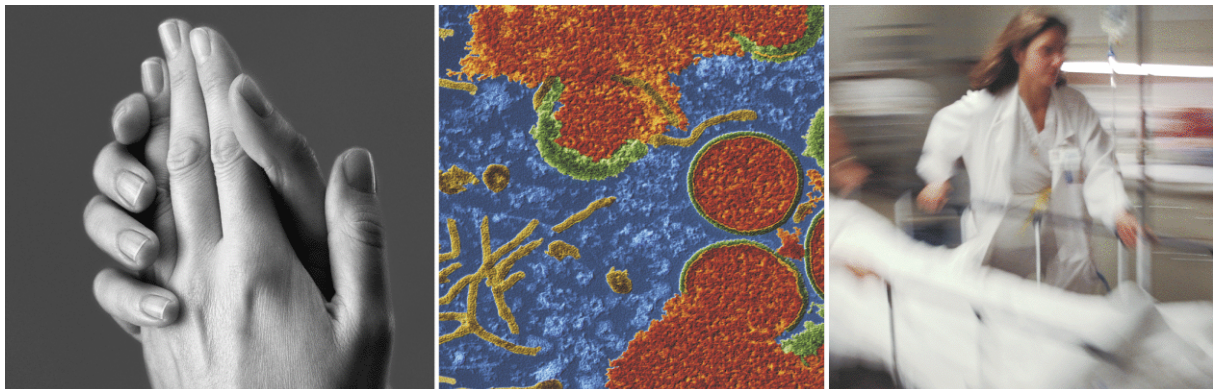


Sterillium® Virugard

Hygienic and surgical hand disinfection



Virucidal rub-in hand disinfectant. Listed by the RKI. Broad spectrum of activity against bacteria and fungi. Colourant- and fragrance-free. For all risk areas.



Sterillium® Virugard

Product properties

- first virucidal alcohol-based hand disinfectant listed by the RKI in accordance with Art. 18 IfSG
- for epidemic outbreaks
- short exposure times
- dries quickly and without residues
- colourant and fragrance-free

Composition

100 g solution contain:

Active substances: Ethanol 95.0 g.

Other ingredients: 2-Butanon, glycerol, tetradecan-1-ol, benzine.

Microbiology

Sterillium® Virugard possesses a broad spectrum of activity against bacteria, fungi, and viruses:

- bactericidal (incl. listeria and salmonellae)
- fungicidal
- tuberculocidal (*Mycobacterium terrae*)
- virucidal (enveloped and nonenveloped viruses)

Compatibility with care products

Baktolan balm and Baktolan lotion do not interfere with Sterillium Virugard's activity.

- Hygienic hand disinfection acc. to EN 1500 after use of Baktolan lotion.
- Hygienic hand disinfection acc. to EN 1500 after use of Baktolan balm.

Areas of application

The inclusion into the RKI list with the activity areas A (bacteria and fungi) and B (viruses) documents the exceptional efficacy of Sterillium® Virugard. According to Art. 18 of the Federal Law on the Prevention of Infectious Diseases in Humans (IfSG) it is available for notifiable diseases and officially ordered decontamination as well as in case nonenveloped viruses that are difficult to inactivate occur.

Sterillium® Virugard is the first alcohol-based hand disinfectant with this comprehensive activity and listing. Thus, it also is an alternative to chlorine compounds which is more powerful and more gentle to the skin. Through its exceptionally comprehensive spectrum of activity, Sterillium® Virugard is primarily suitable for work areas with increased risk of infection such as

- infection units and isolation wards
- intensive care units
- divisions of transplantation
- transfusion and dialysis departments
- microbiological and genetics laboratories

Sterillium® Virugard provides additional safety when dealing with patients whose virological status could not be determined exactly, for example

- in ambulances
- in accident & emergency and outpatient departments
- in case of viral infection outbreaks in community facilities

Due to its excellent activity against the pathogenic Keratoconjunctivitis epidemica it is recommended to use Sterillium® Virugard for ophthalmic treatments in clinics and medical practices.

Directions for use and dosage

Sterillium® Virugard possesses a broad spectrum of activity. Use and dosage of the hand disinfectant depends on the respective area of application:

Hygienic hand disinfection	
EN 1500 + DGHM	30 s
Surgical hand disinfection	
EN 12791 + DGHM	1.5 min
Bactericidal activity	
MRSA	30 s
Listeria	15 s
Salmonellae	15 s
Fungicidal activity	
<i>C. albicans</i>	30 s
Tuberculocidal activity	
<i>M. terrae</i>	30 s
Virucidal (RKI list area B)	
Virucidal against enveloped viruses	
(incl. HBV, HIV, HCV)	30 s
Virucidal acc. to EN 14476	
Adenovirus – clean conditions	30 s
Poliovirus – clean conditions	30 s
Enveloped viruses	
Vacciniavirus	15 s
Herpes simplex virus (Type 1+2)	15 s
Avian influenza A-virus	15 s
Human influenza A-virus	15 s
SARS-CoV	30 s
Nonenveloped viruses	
Adenovirus - dirty conditions	1 min
Polyomavirus (formerly papovavirus)	2 min
Rotavirus	15 s
Poliovirus - dirty conditions	1 min
Rhinovirus	1 min
Coxsackievirus	1 min
RKI list of disinfectants in accordance with § 18 of the Federal Law on the Prevention of Infectious Diseases in Humans (IfSG)	
Effect area A (bacteria, fungi).....	30 s
Effect area B* (viruses).....	2 min
* not sufficiently effective against Parvovirus	



Sterillium® Virugard

Publications

Microbiological activities

- H.F. Rabenau, G. Kampf, J.Cinatl, H.W. Doerr: „Efficacy of various disinfectants against SARS coronavirus.” J Hosp Infect. 2005 Oct;61(2):107-11.
- G.Kampf, D. Grotheer, J. Steinmann:“ Efficacy of three ethanol-based hand rubs against feline calicivirus, a surrogate virus for norovirus.” J Hosp Infect. 2005 Jun;60(2):144-9.
- G. Kampf, J. Steinmann, H.F. Rabenau: „Suitability of vaccinia virus and Bovine viral diarrhoea virus (BVDV) for determining activities of three commonly-used alcohol-based hand rubs against enveloped viruses.” BMC Infectious Diseases 2007; 7:5.

Others

- F.A. Pitten, A. Kramer:“ Desinfizierbarkeit medizinischer Handschuhe.” Hyg Med 26.Jahrgang 2001;10-12
- A. Kramer, H. Below, N. Bieber, G. Kampf, C. D. Toma, N.O. Huebner, O. Assadian: “Quantity of ethanol absorption after excessive hand disinfection using three commercially available hand rubs is minimal and below toxic levels for humans.” BMC Infectious Diseases 2007, 7:117.
- G. Kampf, W. Wigger-Alberti, K.P. Wilhelm: “Do atopsics tolerate alcohol-based hand rubs? A prospective, controlled, randomized double-blind clinical trial.” Acta Dermato-Venereologica 2006; 86:140-143
- N. Khanna, D. Goldenberger, P.Grabner, M. Battergay, A.F. Widmer: „gastroenteritis outbreak with norovirus in a Swiss university hospital with nearly identified virus strain.” Journal of Hospital Infection 2003; 55, 131-136
- A. Simon, O. Schildgen, A.M. Eis-Hübinger, C.Hasan, U.Bode, S. Buderus, S. Engelhart, G. Fleischhack: „Norovirus outbreak in a pediatric oncology unit.” Scandinavian Journal of Gastroenterology 2006; 41, 693-699

Listing

- Activity areas A (bacteria and fungi) and B (viruses) in the list of disinfectants and disinfectant procedures tested and approved in acc. to Art. 18 IfSG (RKI list)
- Disinfectants list of the Association for Applied Hygiene (former DGHM list)

Chemical-physical data

Appearance	colourless, clear
Density (20 °C)	approx. 0.79 g/cm ³
Flashpoint (acc. to DIN 51755)	0 °C

Stability (optional)

Unopened:	36 months
After opening, in tightly closed container:	12 months
In wall dispenser or with dosing pump:	6 months

Presentation

100 millilitre bottle, 500 millilitre bottle, 1litre bottle.

Note: The recommendations regarding our preparations are based on scientific tests and are given in good faith. More detailed recommendations, e.g. with regarding to 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.

10/03

