

# LH DERMOSCRUB

Broad-spectrum bactericidal disinfectant for disinfection and cleansing of hands and skin

Card issue date	06/2006	Internal code <b>LHDERMO</b>
Revision n°	08	
Last revision date:	12/07/2021	



## 1. COMPOSITION

Ingredients:

100 g of solution contain:

Components:	%
Chlorhexidine digluconate	4.00
Isopropyl alcohol	2.60
Co-formulants and purified water to	100

## 2. PRODUCT FEATURES

Broad-spectrum disinfectant soap for disinfection and cleansing of hands and skin.

<b>Appearance:</b>	Clear pink solution
<b>Odour:</b>	Characteristic
<b>Density (g/ml, 25°C)</b>	1.020 ± 0.010
<b>pH:</b>	6.50 ± 0.50

## 3. FIELDS OF APPLICATION

Antiseptic and antibacterial soap to be used in the healthcare field (hospitals, surgical rooms, clinics, first aid, etc.) preferably when a cleaning action is also required. Also suitable for emergency disinfection of hands and instruments, for antiseptic and surgical hand washing, washing of patients before surgery, cleaning and external antiseptics in obstetrics and gynecology.

It is used pure, for surgical hand washing, wet hands and forearms with water and treat with about 5ml of product, distribute evenly and rub for at least 2 minutes then rinse.

#### 4. PROPERTIES

To document and confirm the characteristics of LH DERMOSCRUB, the following tests were carried out:

EFFICACY TEST	CONTACT TIMES
<b>UNI EN 1040:</b> Test for the determination of bactericidal activity	2 Minutes
<b>UNI EN 12791:</b> Test for the determination of bactericidal activity - Surgical disinfection of hands - Test method and requirements (phase 2, stage 2)	4 Minutes
<b>UNI EN 13624:</b> Chemical disinfectants and antiseptics - Quantitative test in suspension for the evaluation of fungicidal or yeasticidal activity in the medical field - Test method and requirements (phase 2, stage 1)	2 Minutes
<b>UNI EN 13727:</b> Chemical disinfectants and antiseptics - Quantitative test in suspension for the evaluation of bactericidal activity in the medical area - Test method and requirements (phase 2, stage 1)	2 Minutes
<b>UNI EN 14348:</b> Chemical disinfectants and antiseptics - Quantitative test in suspension for the evaluation of the mycobactericidal activity of chemical disinfectants in the medical field, including instrument disinfectants - Test methods and requirements (stage 2, stage 1)	2 Minutes
<b>PrEN 12054:</b> Chemical disinfectants and antiseptics – Products for friction and hygienic hand washing. Bacterial activity – Test method and requirements.	1 Minute
<b>UNI EN 1499:</b> Chemical disinfectants and antiseptics - Hygienic hand washing - Test method and requirements (stage 2, stage 2)	1 Minute

#### 5. MECHANISM OF ACTION

At relatively low concentrations, the action of chlorhexidine is bacteriostatic, while at higher concentrations the action is rapidly bactericidal. The lethal process has been shown to consist of a series of related physiological and cytological changes that culminate in cell death, in particular the hypothesized sequence is as follows:

- Rapid attraction to the bacterial cell
- Specific and strong adsorption to certain compounds containing phosphate groups on the bacterial surface
- Resistance to the mechanism of the bacterial cell wall exclusion
- Attraction to the cytoplasmic membrane
- Release of low molecular weight cytoplasmic components (e.g. potassium ions) and inhibition of certain membrane-bound enzymes such as adenosine triphosphatase
- Precipitation of the cytoplasm by the formation of complex salts with phosphate entities such as adenosine triphosphate and nucleic acids.

## 6. PACKAGING

<i>Product code</i>	<i>Primary Packaging</i>	<i>Secondary Packaging</i>
LHDERMO050	HDPE bottles 500 ml	Carton of 24 bottles
LHDERMO1	HDPE bottles 1000 ml	Carton of 12 bottles
LHDERMO5	5000 ml tanks	Carton of 4 tanks
LHSPA.Z.CL	Single-dose sponge soaked in 20 ml of solution	Carton of 100 sponges
LHSPA.Z.CL.TM	Single-dose sponge soaked in 20 ml of solution	30 sponges totem
LHDERMO30	Single-dose sachet 30 ml	Carton of 200 sachets

All the materials constituting the primary packaging **are free from latex** and are perfectly compatible with the components of the formulation.

## 7. WARNINGS



H318 – Causes serious eye damage

H410 – Very toxic to aquatic organisms with long-lasting effects

## 8. STORAGE AND STABILITY

Store the product in its original packaging in a cool, clean and dry environment, protected from high heat sources and not exposed to direct sunlight.

The validity period quantified in 36 months refers to the product in its intact and properly stored container.

Shelf life after the first opening: if the product is taken with precaution and the container closed and stored correctly, the product maintains its characteristics unchanged for a time equal to 3 months.

## 9. QUALITY CONTROL

The components (raw materials, containers, labels, etc.) and the intermediate processing phases of each single production batch are punctually and carefully checked following the procedures provided for by the UNI EN ISO 9001 and UNI EN ISO 13485 certification standards.

## 10. PERMISSIONS

Medical and surgical unit, registration n° **18925** of the Ministry of Health.

**11. PRODUCTION WORKSHOP**

Administrative office: Lombarda H S.r.l. Loc. Faustina, 20080 Albairate (MI). phone 02/94920509

Production site: Lombarda H S.r.l. Via Briscoonno, Loc. Mendosio, 20081 Abbiategrasso (MI).  
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