

Components for systematic

# WOUND MANAGEMENT

Solutions



LAVANID® 1/2 -  
Wound Irrigation  
Solutions

LAVANID® -  
Wound Gel

LAVANID® V+ -  
Wound Gel



150  
YEARS  
1866 - 2016



SERAG  
WIESSNER



LAVANID® 1/2  
Wound Irrigation Solutions  
LAVANID® Wound Gel  
LAVANID® V+ Wound Gel

Thanks to their composition and the design of their packaging, LAVANID® 1/2 Wound Irrigation Solutions and LAVANID® Wound Gel / LAVANID® V+ Wound Gel are medical devices that have been optimised for the management of wounds.

Alongside surgical suture material and textile implants, sterile solutions form the third corporate division of SERAG-WIESSNER. We produce standard infusions, liquid and sterile products for wound management, and numerous special solutions, as well as individual formulations on customer request. Many of these products are immediately available from stock. Particular attention has

been paid to improving the packaging for the individual applications. In this way, we are pursuing a clear objective: we aim to provide the most practicable and best-tolerated solution for every application, for both the treating physician and for the patient.

**NEW: 40 g tube**

LAVANID - Wound Gel V+

Improved adherence

Prevents the formation of biofilm

Hydrogel with 0.04% polyhexanide

LAVANID - Wound Gel V+ is now available in a 40 g tube, as well as the original 100 g size



The reliable solution!

# LAVANID® 1/2 - Wound Irrigation Solutions



## Application of LAVANID® 1/2



*Pouring out the solution with screw top.*

## Application using the spike



*Remove the aluminium foil and disinfect the spike insertion area.*



*Insert the spike.*



*Bottle with inserted spike ready for aseptic pouring.*

## Description LAVANID® 1/2

LAVANID® 1/2 solutions are sterile iso-osmotic wound irrigation solutions, based on Ringer's solution with 0.02% or 0.04% polyhexanide. Polyhexanide prevents the growth of micro-organisms in wound dressings and in the solution.

## Isotonic base

LAVANID® 1/2 - Wound Irrigation Solutions are isotonic. The use of an isotonic solution prevents swelling of the skin and irritation of the wound area as there is no exchange of fluid or electrolytes with the body's own secretions. The excellent suitability for wound management, as reported in the literature, and the high tissue tolerance of LAVANID® 1/2 are not least based upon this fact.

## Reduced surface tension

Polyhexanide and macrogol reduce the surface tension of the solution. This tenside-like effect supports the cleansing of the wound. The irrigation solution is able to reach the tissue better and more effectively.

## Indications

- For local wound irrigation and wound cleansing.
- For moistening surgical towels, packs, and dressings

## Shelf life:

Shelf life of 2 months after initial



opening.

## Sterility

Wound irrigation solutions are used in clinical practice for intra-operative wound irrigation and for the cleansing and supportive treatment of dirty wounds at risk of infection, as well as acute and chronic wounds that are already infected. In order to keep the bacterial load of the wound as low as possible and to prevent the additional entry of bacteria during wound irrigation, the use of sterile products is a recognised standard in medical wound management.



## Optimal composition

LAVANID® 1/2 - Wound Irrigation Solutions contain polyhexanide as a preservative. Due to its good tissue tolerance, recognised wound experts<sup>1</sup> rate solutions preserved in this way as agents of first choice for poorly healing chronic or very sensitive wounds (e.g. second-degree burns) and for irrigation treatment. Its pain-free application ensures high patient acceptance.

Solutions with 0.02 % polyhexanide (LAVANID® 1) to 0.04 % polyhexanide (LAVANID® 2) are recommended for a reliable preservation with simultaneous high tissue tolerance<sup>2</sup>. LAVANID® 2 is preferred for the initial treatment and for heavily infected wounds to reliably suppress bacterial growth in wound dressings, for example. LAVANID® 1 can be used once healing has commenced and for long-term management.

LAVANID® 1/2 solutions are clear and thus allow an unrestricted assessment of the state of the wound.

## MRSA decontamination

LAVANID® 1/2 solutions can be used for a whole-body wash of MRSA patients. The solutions are very well tolerated by unaffected areas of skin.

## LAVANID® 1/2 Composition

Ringer's solution (isotonic electrolyte solution comprising sodium chloride, potassium chloride, calcium chloride dihydrate, water for injection), macrogol, polyhexanide 0.02 % (LAVANID® 1) or polyhexanide 0.04 % (LAVANID® 2).

## Literature

- <sup>1</sup> Kramer et al., ZfW 2004; 3: 110-120, most recently confirmed by Dissemond et al., ZfW 2009; 3: 20-26
- <sup>2</sup> Kallenberger et al., Hyg. Med. 1991;16: 383-395

### Package sizes:

LAVANID® 1	PZN	REF	LAVANID® 2	PZN	REF
20 x 125 ml	05901297	014124	20 x 125 ml	05901274	014224
10 x 250 ml	02178452	014125	10 x 250 ml	02178564	014225
6 x 1000 ml	02178498	014127	6 x 1000 ml	02178587	014227

For moist wound management.

# LAVANID® Wound Gel / LAVANID® V+ Wound Gel



Excellent tissue tolerance

For long-term wound management

Prevents the formation of biofilm

Hydrogel with 0.04% polyhexanide

## Description and product profile

Chronic wounds generally have impaired wound healing, so treatment with preparations that are particularly well tolerated by the tissues is indicated.

LAVANID® - Wound Gel/LAVANID® - Wound Gel V+ are based on Ringer's solution with 0.04% polyhexanide. Experimental and clinical studies have shown this combination to be very well tolerated by the tissues.

## Indications for use

After cleansing the wound, with LAVANID® 1/2 - Wound Irrigation Solutions for example, LAVANID® - Wound Gel/LAVANID® - Wound Gel V+ can be applied directly onto the wound. The hydrogels are suitable for wound moistening and for the preservative moistening of dressings and compresses, e.g. for wounds colonised with multi-resistant problem bacteria. Preservative dressings reduce the risk

of bacterial spread from the wound into the surrounding area and protect the wound against bacterial invasion from the outside. This preservative effect prevents the formation of biofilm.

## Tissue tolerance

Clinical studies have demonstrated that the regeneration of healthy tissue is not affected. Local irritation does not occur. The application is painless for the patient. Due to the high tissue tolerance, all LAVANID® products are suitable for repeated and long-term wound management.

## Shelf life:

 shelf life of 1 month after initial opening

### LAVANID® WOUND GEL LAVANID® V+ WOUND GEL

#### Composition:

Ringer's solution, glycerine, macrogol, hydroxyethyl cellulose, polyhexanide 0.04%

#### Product range:

Unit dose syringe, sterile and single packed

LAVANID® - Wound Gel	PZN	REF
2 x 10 g	06122661	015272
12 x 10 g	02078785	015271

#### Tube

LAVANID® - Wound Gel	PZN	REF
1 x 100 g	08837192	015274

LAVANID® - V+ Wound Gel	PZN	REF
1 x 40 g	10813543	015773
1 x 100 g	10329497	015774

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