

# HEALING GEL

Gel for the care and support of the healing process of various types of wounds in dogs and cats.

## INDICATION

Healing Gel is used on superficial, deep wounds, ulcerations, bedsores, burns, abrasions and scratches.

## PROPERTIES

- ensures proper hydration of the wound
- supports cleansing of the wound
- favors angiogenesis processes
- speeds up the healing process

## BETAINE

A surface-active substance with a mild effect, effectively removes mechanical impurities from the wound area and has the ability to destroy the integrity of the bacterial biofilm.

## CHITOSAN

A hydrophilic biopolymer with a wide spectrum of properties. It has the ability to activate macrophages and neutrophils; stimulates cell activity, eg. fibroblast supports the processes of angiogenesis and has anti-bacterial properties. All the above features make chitosan conducive to the process of wound healing and reduce the formation of scars.

## POLYHEXANIDE

A polymer having antiseptic properties and has a broad antibacterial spectrum: *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Streptococcus faecalis*, *Escherichia coli*, *Pseudomonas putida*, *Klebsiella aerogenes*, including high efficacy against MRSA (methicillin resistant *Staphylococcus aureus methicillin*).

## LACTIC ACID

Regulates skin cell renewal, stimulates the production of ceramides, due to which the skin is hydrated and better protected from premature aging. Lactic acid removes residual layer of skin and horny, dry epidermis. Lactate actively participates in the healing process through activation of several molecular pathways, which together promote angiogenesis. Stimulates the migration of endothelial cells and the formation of tubes in vitro as well as the recruitment of circulating progenitor cells and vascular morphogenesis in vivo.

## HYALURONIC ACID

A glycosaminoglycan, naturally occurring in the tissues of the whole organism, where it plays an integral role in the extracellular matrix. In the wound healing process, maintains the wound environment naturally moisturized, supporting vitality and cell migration. Attracts water and nutrients to the wound from the surrounding tissues, causing their concentration around the wound which has a positive effect on the healing process of wounds.



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