



Colostrum  
**HealDerm**  
Cream for fast tissue regeneration



**GENOSCOPE** is a producer of bioactive cosmetics and natural dietary supplements. It also operates as an integrator of medical companies on foreign markets. The basis for the operations of Genoscope involves the use of the state-of-the-art, internationally verified clinical studies in order to naturally stimulate the human body to regenerate. The company cooperates with a range of scientific institutions, plastic surgery and aesthetic medicine clinics and hospitals (tissue problems, dermatology, oncology, stem cells). A range of tests and consultations precede the introduction of each product. Genoscope products can be divided into two groups: bioactive dietary supplements or nutraceuticals and bioactive cosmetics or cosmeceuticals. The basis for Genoscope operations is the acquisition of raw materials only from eco-friendly and certified sources in the purest locations of Europe such as Scandinavia or Switzerland. The obtained raw materials are processed with the use of most advanced cosmetological and pharmaceutical technologies, ensuring their highest purity and biologically active nature. The highest-quality Colostrum, the strongest natural stimulant of functions regenerating the human body, is the key component of the manufactured cosmetics and supplements. Other natural substances in use are: Mexican cactus extract, yeast strains, e.g. beta-glucan, argan oil, mare's milk – one of the rarest and most exclusive cosmetic components, goat milk, natural calf collagen, colloidal silver and many others.

All natural ingredients required to produce Genoscope products are sourced within the European Union. These ingredients have all of the necessary quality certificates required for them to be used in the food and cosmetics industries. Bioactive ingredients are subject to detailed laboratory control to ensure that the quality parameters of each batch are maintained at the highest level. Genoscope products have all of the necessary certificates required for sale in the European Union.

## About Colostrum

**1. What is Colostrum?** Colostrum is an excretion of the milk glands of mammals produced during the last stage of pregnancy before labour and in the first days after the birth of a young. Colostrum is a unique natural bioactive substance causing the strongest regeneration of the human body. It consists of more than 250 natural chemicals such as growth factors, hormones, enzymes, polyamides, nucleic acid derivatives, derivatives of aminoacids and other. It also contains bacteriostatic substances including immunoglobulines, lactoperoxidases, lactenins, lactoferrin, lysozyme and leucocytes. Colostrum also contains large concentrations of extremely easily digestible vitamins and mineral compounds having only one function: the protection and regeneration of cells in our bodies. Colostrum as the only natural substance not only stalls symptoms of ageing more effectively than synthetic substances but also causes their significant regression. Colostrum is collected in the early phase of lactation. The earlier it is collected the better its properties are. Its biological value deteriorates with each hour until it becomes milk after several hours. It is the only natural substance existing in nature with such a high concentration of unique components.

**2. Is the collection of Colostrum for production needs dangerous for a calf?** No. As a rule, Colostrum is produced in quantities that exceed twice the needs of a newborn calf. Only such a quantity is collected that does not put the young at risk.

**3. Is Colostrum the same as milk?** No. Colostrum is not milk. It is a substance that greatly differs from milk as far as its properties and consistency are concerned. Its biochemical content, acidity, colour, taste and aroma are different.

**4. Why is Colostrum confused with milk?** Because, after a few dozen hours of lactation, it spontaneously adopts the properties of milk and, after that, transforms into it.

**5. Does the Colostrum retain its properties all the time?** No. The transformation process is not uniform. Even 6 hours after the start of the lactation, Colostrum loses nearly a half of the bioactive substances contained in it. (see chart)

**6. Is the Colostrum from the first hours “better” than the one collected after several or a few dozen hours?** It surely is. Colostrum collected from the first lactation is an exclusive substance: very rare and practically non-existent on the market. The later it is collected the weaker its properties, which also means that it is much cheaper. (see chart)

**7. What does Colostrum contain, how does it differ from milk?** Colostrum contains more than 250 natural chemicals such as growth factors, hormones, enzymes, polyamides, nucleic acid derivatives, derivatives of aminoacids and other. It also contains bacteriostatic substances including immunoglobulines, lactoperoxidases, lactenins, lactoferrin, lysozyme and leucocytes. Colostrum also contains large concentrations of extremely easily digestible vitamins and mineral compounds. It is the only natural substance existing in the world with such a high concentration of such unique components. It contains a very condensed, strong dose of immune and growth factors including EGF (Epidermal Growth Factor) an epidermal growth factor belonging to cytokines that stimulates and repairs the epidermis. Milk cytokines accelerate the healing of wounds, improve skin nutrition and hydration, stimulate divisions of the germinal layer of the epidermis and its correct growth.

**8. Why is Colostrum used in medicine and cosmetology?** Because of the content of its active substances that can regenerate tissues, reinstate the cellular balance, stimulate and modulate the immune system. These are, in particular, Epidermal Growth Factors and immunoglobulines as well as many other components of that type. Colostrum is the only natural substance in the world that contains these components. This is why it is used as a raw material, e.g. in esthetic, reconstruction and regenerative medicine.

**9. Is Colostrum safe?** Yes, it is absolutely safe. It is the first food of each newborn.

**10. Can Colostrum be overdosed?** No. Even though each substance can be harmful in excess, even mineral water, natural Colostrum is as difficult to overdose as water.

**11. Is Colostrum scientifically tested?** Yes. Thousands of scientific works about Colostrum, its impact and substances contained in it were generated worldwide. Very rare medications, exclusive cosmetics and dietary supplements are produced of it.

**12. What branches of science and medicine apply Colostrum?** Most frequently, it is applied in plastic and reconstructive surgery, esthetic medicine, dermatology, allergology, dietetics, geriatrics, immunology, oncology, vascular issues and many other areas.

**13. Why is Colostrum a one-of-a-kind natural substance?** Its uniqueness results from the fact that all mammals are born into this world with hypogammaglobulinemia and a reduced immunological activity that, in contact with the bacterial flora and pathogenic bacteria, make them defenceless and particularly susceptible to infections. It is only the Colostrum from the mother that transfers immunoglobulines and other immunity and growth-stimulating substances to them thus protecting a new life from negative external influences.

**14. How does Colostrum look in nature?** It is a thick yellow liquid, slightly acidic (pH 6.4). It is a mixture of many components having diverse physical, chemical and biological properties.

**15. Is Colostrum used in a raw condition?** Of course, it can be used raw but, for production purposes, it is processed to attain a powder. Creams, balsams, capsules and other products with a lower or higher content of Colostrum are made out of that base.

**16. Does the processing of Colostrum destroy its properties?** In most cases, it does. Colostrum is a protein substance, hence its degradation takes place above the temperature of 42 °C. The only method that makes it possible to retain practically all the properties of fresh Colostrum is freeze drying. This is how Colostrum contained in Serum2h is processed.

# Colostrum HealDerm

Cream for fast tissue regeneration

Recommended by:



## Aids in tissue regeneration

1. **Healderm** is a derma-cosmetic of a new generation that **aids in the regeneration of skin** that is problematic, weak or prone to injuries.
2. **Healderm** owes its effectiveness to its main component, which is **the highest of quality Colostrum** - the rarest as well as the strongest natural substance occurring in nature that stimulates the body to self-regenerate and to improve its natural immunity. Aiding substances include **Allantoin, Panthenol, Colloidal Silver and Vitamin E**.
3. **Healderm** thoroughly **cleanses the base layers of the skin and regulates the bacteriostatic environment**. All of this is possible thanks to such natural substances as **Lactoferrin, Lactoperoxidase, or Ionic Colloidal Silver**.
4. **Healderm** has been created without the use of any artificial preservatives, fragrances or derivatives of petroleum whatsoever. Its very simple composition **reduces the risk of topical allergic reactions to a minimum**. The preparation process guarantees **100% of growth factor bioactivity preservation** – priceless for skin regeneration.
5. **Healderm** has been **dermatologically tested**. It is recommended by the PDA (Polish Diabetes Association).

## Our awards:

**Main Award**  
Nurturing dermocosmetics  
The Diabetica Expo 2011



**Main Award**  
The best dermatological product  
The Diabetica Expo 2012



**Main Award**  
Nurturing dermocosmetics  
The Diabetica Expo 2013



**Main Award**  
Best diabetic product  
The Diabetica Expo 2014



## Healderm

Healderm is a unique product in the European Union. Four times in a row it has won the coveted award PRODUCT OF THE YEAR from 2011 to 2014 awarded by the medical committee at the largest Polish Diabetic Symposium - DIABETICA EXPO 2011, 2012, 2013, 2014, in Toruń. The award committee consisted among others of the National Consultant of Balneoclimatology and Physiotherapy, President of the Polish Balneoclimatology and Physical Medicine Society, author of a few hundred science articles printed in national and international journals, Head of the Ciechocinek Clinical Hospital and Spa as well as a specialist in Vascular Surgery.

Healderm is one of only a handful of products that has the right of displaying on its packaging the official recommendation of the Polish Diabetics Association (This association has over 550 branches all over Poland).

Also only Healderm has received the official thanks from the Polish Diabetics Association concerning its significant impact on reducing the number of limb amputations caused by diabetic foot syndrome. In Poland yearly around 14,5 thousand such amputations are performed.

Healderm is also recommended by the Polish Association of Podology.

### Product intended for:

Poor healing or non-healing wounds, scars, decubitus ulcers, diabetic foot syndrome, acne, psoriatic skin inflammation, burns, frostbite, irritation and damage to the epidermis, hemorrhoids.

### Safety of use:

This product was produced without any artificial preservatives, flavours or petroleum derivatives. Its very simple content minimizes the occurrence of local allergic reactions. Its main component is Colostrum.

### Healderm is available as:

**Healderm (normal) - 15 ml and 40 ml tube.** Healderm is an active dermocosmetic product intended for the treatment of damaged skin. It is also ideal as a preventive cosmetic product in any cosmetic treatment of feet or in the event of risk of injury. It alleviates itching and reduces keratosis of the epidermis.

**Healderm Forte - 40 ml tube.** Compared to Healderm, its action is milder and, at the same time, more extensive and long-term as the product enhances skin metabolism and stimulates regeneration of defects.

### Composition:

Active substance: Bioactive Colostrum bovinum

Main excipients: Allantoin, Panthenol, Colloidal silver, Vitamin E.

### Safety of use:

The product has been manufactured without any artificial preservatives, perfumes or petroleum products. Its simple composition reduces to minimum occurrence of local allergic reactions.

Safety policy – the main ingredient, Colostrum:

- has been processed in using special methods which guarantee preservation of its natural bioactivity and complete concentration of bactericidal and fungicidal substances, as well as the substances which support healing process.
- its purity and the content of harmful substances have been tested by independent laboratory specialising in Colostrum testing.

### Healderm properties:

- It supports healing (angiogenesis) and regeneration of the skin tissue.
- It restores normal skin pH (reconstructs the skin protective barrier).
- pH of the cream is 5.78 (reduced pH; it helps to minimise the risk of infection).
- It demonstrates bacteriostatic and antifungal effects.
- It soothes irritation.
- It reduces skin itching.
- It inhibits epidermal keratinisation process.
- It does not contain antibiotics, cortisone, perfumes, dyes.
- It is quickly absorbed.

### Indications for use:

Diabetic foot syndrome, ulceration (including trophic shin ulceration, venous and arterial ulceration), bedsores, burning lesions, fungal lesions, chronic wounds difficult to heal or not healing, scars, acne, hemorrhoids.

### How to use:

Before application of the cream, prepare the skin by washing it in lukewarm running water (temp. ca. 37°C) with gentle soap (e.g. grey soap). Do not soak for a long time. After washing, dry the skin delicately by touching with a towel; do not rub. After washing and drying the skin, with particular attention paid to hard to reach areas (e.g. the spaces between the toes), apply a thin layer of the cream and gently pat or massage it in. The cream may be applied directly on a wound. In case of oozing wounds, first dry the wound, then apply a thin layer of the cream. Use at least three times a day. The cream may be used immediately after the previously applied layer has been absorbed. More frequent use results in better treatment effects. The cream may be applied directly with a carefully washed hand. The product is the most effective if dietary supplements containing Colostrum are received simultaneously (e.g. supplements by Genoscope: Colostrum Alpha, Colostrum Immune, Colostrum Hypo). These preparations are to support the regenerative properties of the organism. Do not use on mucosal membranes. Avoid contact with the eyes.

Do not use if allergic to any of the product ingredients. Adverse effects: Adverse effects and contraindications are not known. Additional safety precautions: Product for external use. Keep out of children's reach.

Additional product information: This is not a medicinal product. This is not a substitute of the therapy recommended by a physician. The product is registered with the National Information System for Cosmetic Products. The product has been dermatologically tested. The product has not been tested on animals.

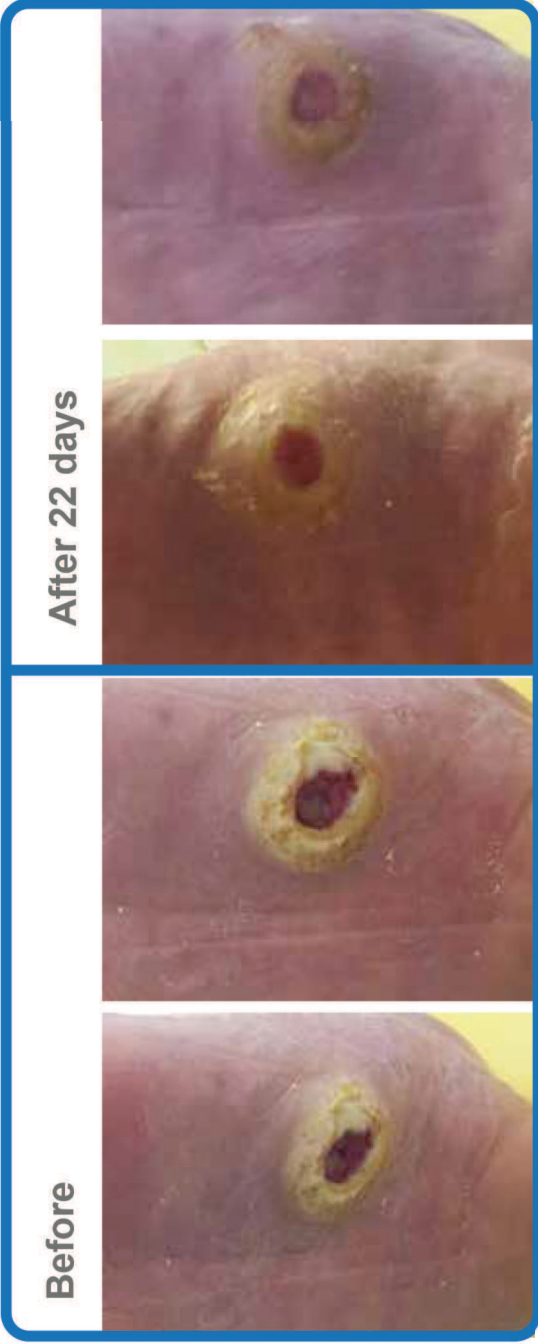
Storage: Store in a cool place (e.g. in refrigerator). Note: do not freeze this product! Form: Cream. Tube content: 15 and 40 g. Recommendations: This product is recommended by: PSD – Polish Diabetes Association.

# Case examples of the effects of Healderm use on different wounds

## Case 1 - Decubitus eschars



## Case 2 - Charcot diabetic wound

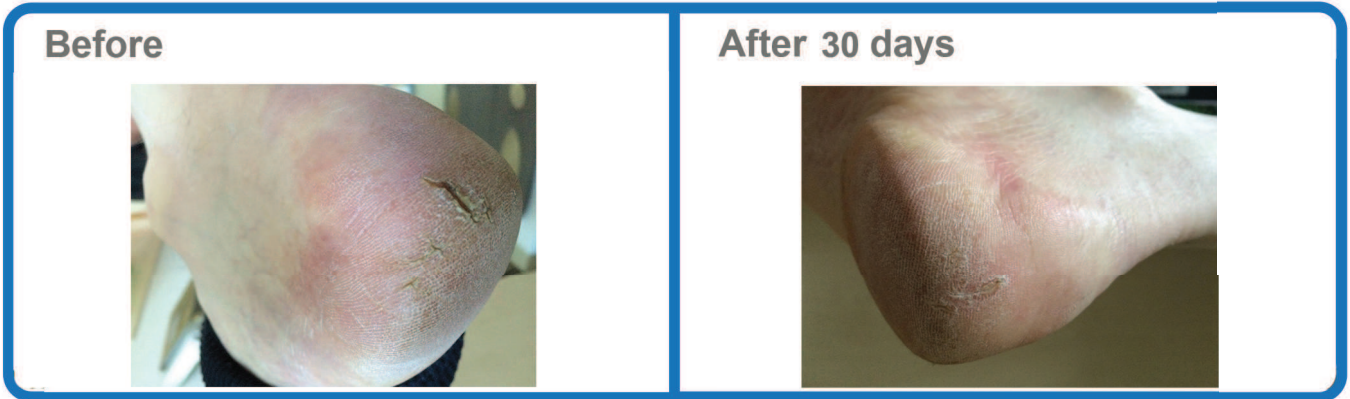


## Case 3 - diabetic foot

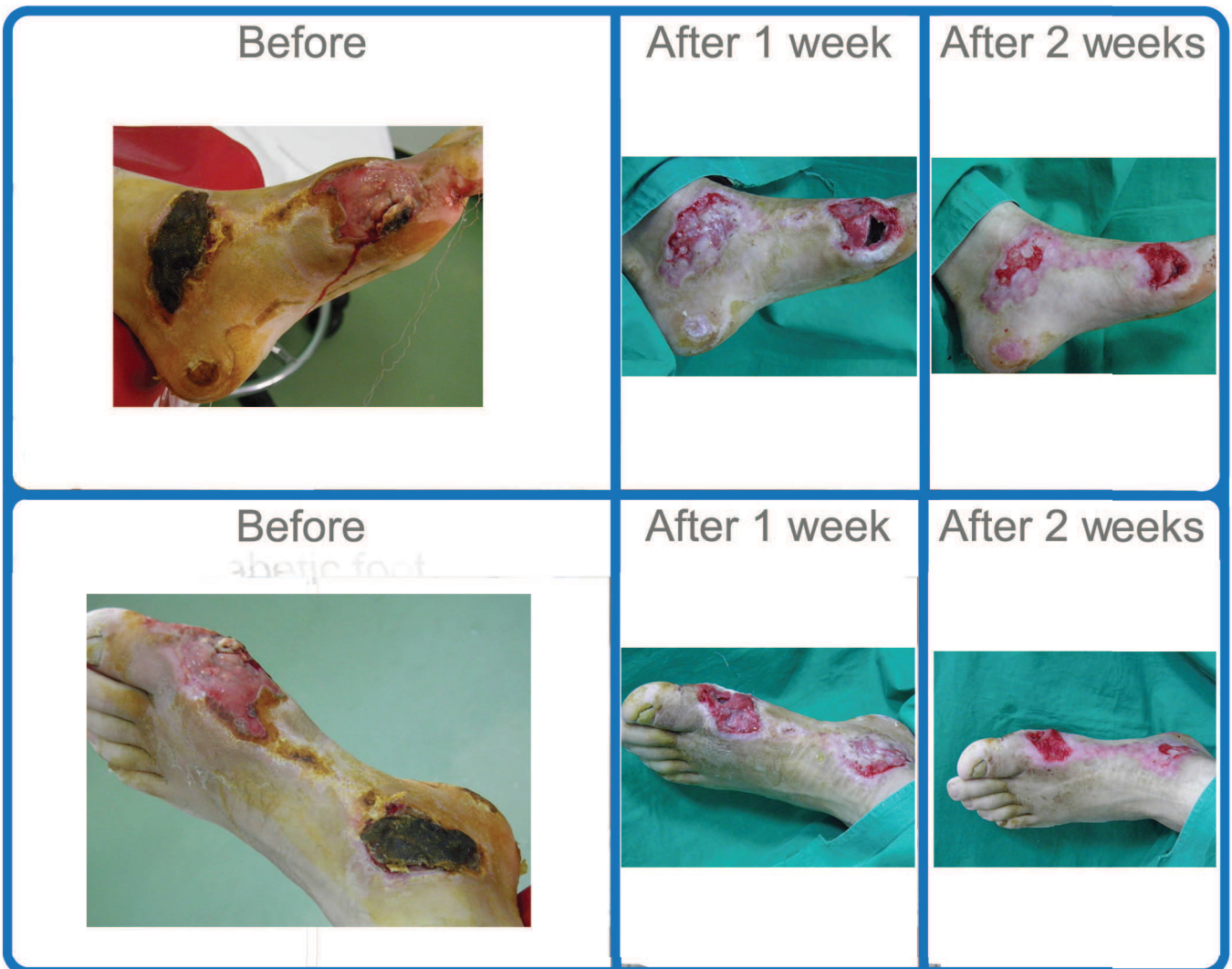


# Case examples of the effects of Healderm use on different wounds

## Case 4 - Diabetic foot crack



## Case 5 - Diabetic Foot

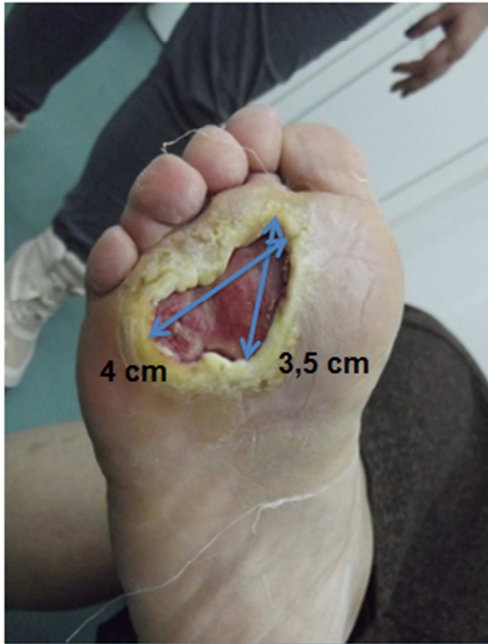




## Uses







- Patient NA, sex F, age 62 years old
- Obesity gr II: BMI = 37,2 kg/cm<sup>2</sup>;
- Dg: **IT Type 2 diabetes for 23 yrs, uncontrolled and complicated**
- Diabetic foot ulcer right foot **2012**
- Constant high values of Glycaemia: ~ 350-450 mg/dL; HbA1c = 12 %,

**First visit  
Sep 2014**



**1<sup>st</sup> visit**  
Before debridement  
(done in surgical  
department)



**Two months visit**  
—  
**lost of contact**

**One month visit**  
Before debridement  
(done in surgical  
department)

