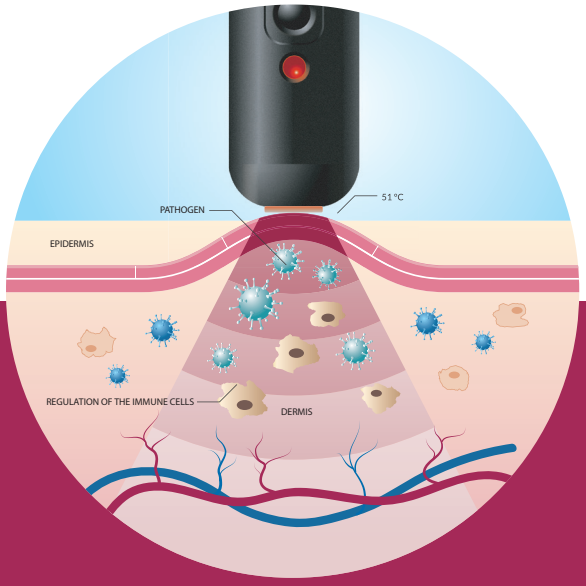
HERPOtherm®

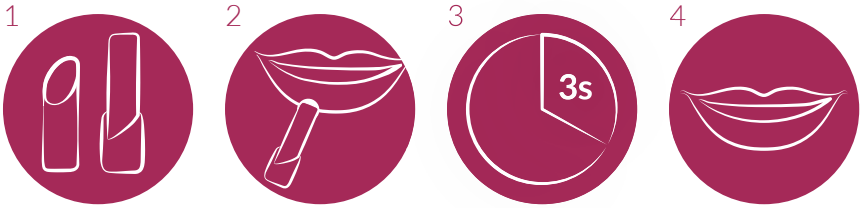
The hot tip for combating cold sores

The concentrated heat therapy with HERPOtherm® is an alternative to therapeutic agents used conventionally in the treatment of cold sores. The purely physical mechanism of action works without any chemicals.



- It works exclusively with concentrated heat around 51 °C.
- Can usually prevent the development of cold sore blisters completely, if applied early enough.
- Can shorten the course of the condition after outbreak and can help promote faster healing.
- Without any annoying applications of creams and greasy products.
- Is chemical-free and therefore suitable for pregnant women, those with allergies and children (self-administration from 12 years of age).

Easy to use



Remove the protective cap from HERPOtherm® and place the device with the ceramic contact surface on the affected area.
After pressing the button once, a temperature of about 51 °C is reached and maintained for 3 seconds. Then the device automatically switches off.

Important:

- Ensure good skin contact for an effective transfer of heat
- HERPOtherm® should be placed accurately to ensure treatment is delivered to the affected area only
- If symptoms persist, multiple treatments of the same skin site are possible
- Please wait at least 2 minutes between applications
- Do not exceed a maximum of 5 applications on the same skin area within one hour

HERPOtherm®

Local hyperthermia

Therapeutic principle

Local hyperthermia is a physical mechanism of action which relies on the chemical-free treatment of cold sore symptoms. It involves the brief application of a concentrated temperature of about 51 °C to the affected area of skin.

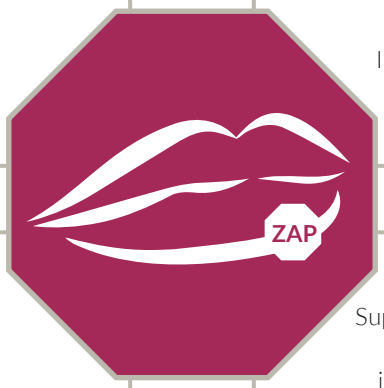
Possible mechanisms of action

Avoidance of blister formation

Significant decrease in viral DNA replication through heat inhibition of the necessary protein ICP8 (in vitro)[1]

Decrease in itching

Inhibition of the neuronal itch signaling pathway through counterpain using heat-related activation of the TRPV1 receptors[3]



Reduction of swelling

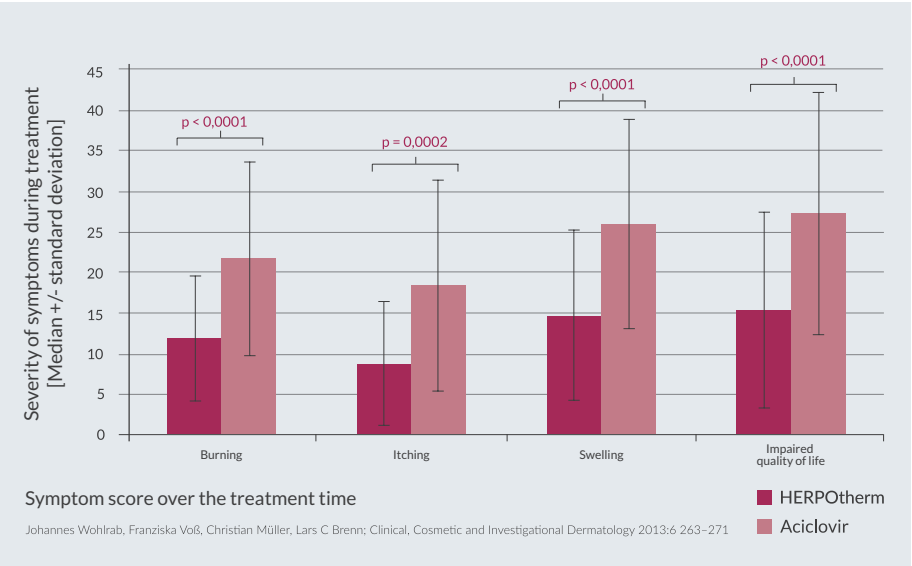
Decreased release of histamine and other inflammatory mediators through inhibition (heat shock) of the mast cells (in vitro)[2]

Acceleration of wound healing

Support of wound healing through heat activation of the keratinocytes (TRPV1 receptors ensure increased synthesis of matrix metalloproteases) (in vitro)[4]

[1] Ruyechan WT, Weir AC., 1984, J Virol. Dec;52(3):727-33.
[2] Yosipovitch G, et al., 2005. J Invest Dermatol.;125(6):1268-72.
[3] Greaves MW, Mongar JL., 1968, Immunology. Nov;15(5):743-9.
[4] Li WH et al., 2007, J Invest Dermatol. Oct;127(10):2328-35.

Study on heat therapy during cold sore breakouts



- HERPOtherm® treatment starting on day 2 significantly superior to topical aciclovir
- 50% reduction in symptoms was achieved 2 days sooner than with aciclovir
- The average duration of condition was 2-3 days (HERPOtherm®) vs. 4-5 days (aciclovir)

➜ The success of the treatment with HERPOtherm® was described as very good by 53% of the patients, whereas only 12% described the success of the aciclovir application as very good*

* Wohlrab J. et al. in Clinical, Cosmetic and Investigational Dermatology 2013:6, 263-271