



## **ExceptionHYAL<sup>®</sup>** **Relief**

### Firefighters for your stomach

Full Spectrum Hyaluronan complex to mimic tissue biology

Moisturizing effect on gastric-esophageal mucosa

Promotion of tissue recovery when abraded by acids

Relief from GERD symptoms

Enhancement of epithelium smoothness for an improved barrier effect

Mechanical protection thanks to film-forming properties

[www.roelmihpc.com](http://www.roelmihpc.com)

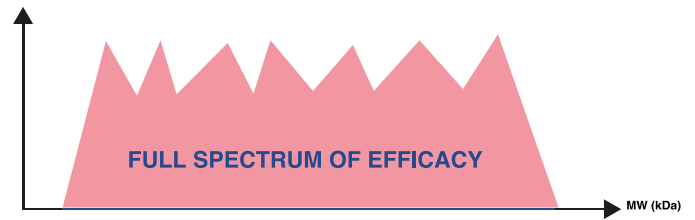


# ExceptionHYAL® Relief

## ExceptionHYAL® Relief: 2.0 generation Hyaluronans

The new concept of Full Spectrum Hyaluronans targeting gastric-esophageal health.

ExceptionHYAL® Relief efficacy is based on a specific fingerprint of Hyaluronans working in synergy in oral, esophageal and gastric mucosa, promoting tissue protection, integrity and recovery in case of acid reflux or local inflammation.

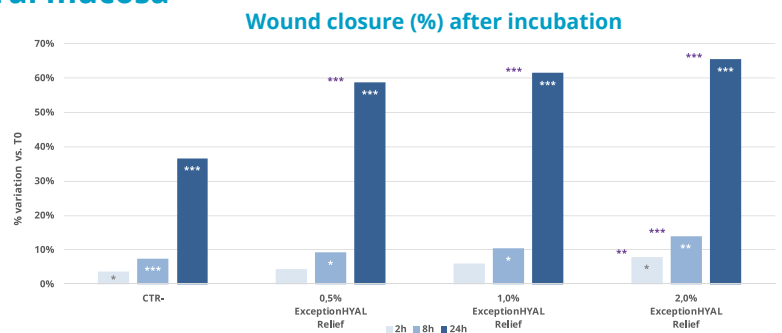


## In-vitro evaluation: wound healing in oral mucosa

ExceptionHYAL® Relief stimulates wound healing, promoting oral epithelium integrity through epithelial cell migration and proliferation.

- ✦ The improvement of wound closure, in 8h, is in between **+22%** and **+29%** depending on the dose.

Protocol: Wound closure in human keratinocytes monolayer.  
\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

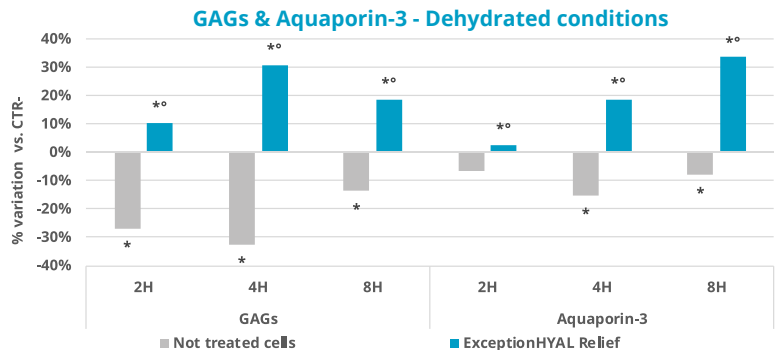


## In-vitro evaluation: moisturization of oral mucosa

ExceptionHYAL® Relief demonstrates to improve mucosae hydration efficiently and steadily in time.

- ✦ It improves local synthesis of glycosaminoglycans (GAGs) by **+38,4%** in 4h and **+41,3%** in 8h
- ✦ It also increases the production of Aquaporin-3 in a dehydrated condition

Protocol: Variation of Aquaporin-3 and GAGs content in dehydrated oral epithelium. CTR- standard cells.  
\*  $p < 0.05$  vs. CTR-, °  $p < 0.05$  vs. not treated cells.

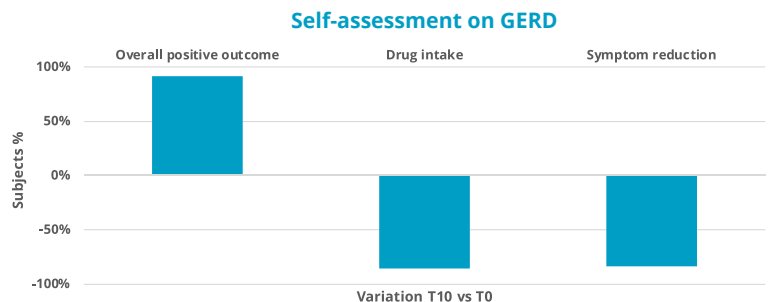


## Clinical evaluation: soothing effect on GERD symptoms

☆ Open study on 15 healthy subjects prone to suffer from Gastro Esophageal Reflux Disease (GERD) or at least from reflux; intake of a syrup containing ExceptionHYAL® Relief (200mg/dose) for 10 days, 3 times a day before meal; GERD symptomatology questionnaire filled out at T0 and T10.

ExceptionHYAL® Relief is effective in:

- ✦ Decreasing both severity and frequency of GERD episodes
- ✦ Boosting the effect of self-medication drugs
- ✦ Guaranteeing a good compliance to the treatment



✦ **Description:** 2.0 Hyaluronans from bio-fermentation origin, formulated to support mucosal integrity

✦ **Tested dosage:** 200 mg/day (up to 3 times per day)

✦ **Suitable for:** capsules, tablets, liquid vials, syrups, drops, sprays

DISCLAIMER: The statements made in this document have not been evaluated by EFSA, FDA or any local authority. The ingredients presented here are not intended to diagnose, treat, cure or prevent any disease. This document is reserved for the operators and technicians, this information is only for business-to-business purposes, not for consumers. Please refer to local authority for further information.  
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