

HyRetin

Ester of hyaluronic and retinoic acid

 PATENTED PREPARATION

INCI: SODIUM RETINOYL HYALURONATE



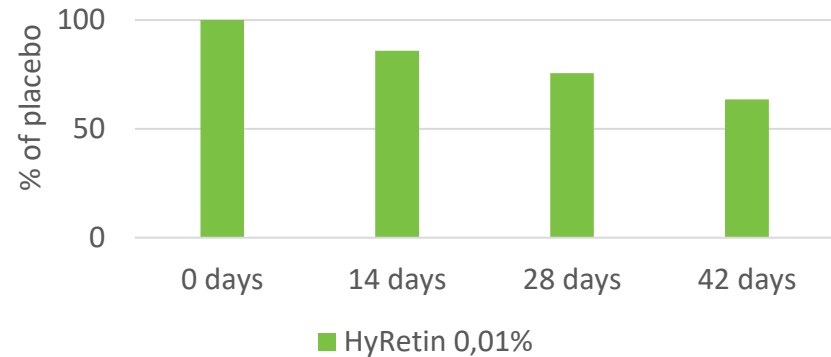


OILINESS

36%

REDUCTION OF SEBUM
PRODUCTION

*In vivo study by
Contipro*



HYRET (0,01%) in emulsion, face, 14 volunteers.
Sebum content determined by sebumeter
(Courage and Khazaka electronics)

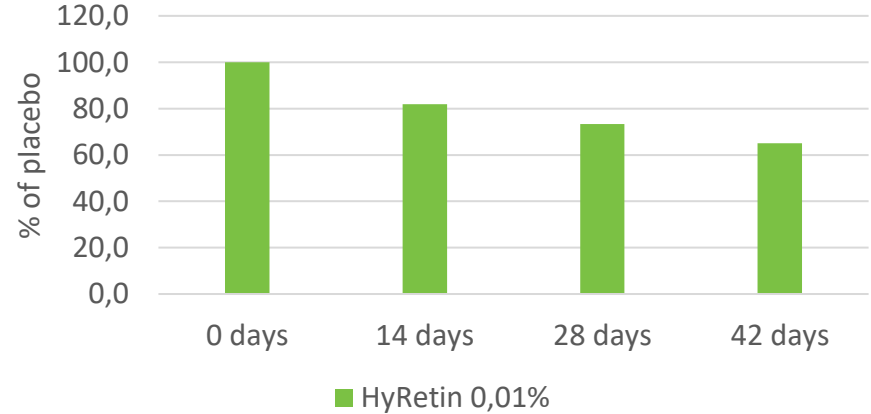


WRINKLE REDUCTION

36%

REDUCTION OF WRINKLES

In vivo study by Contipro



HYRET (0,01%) in emulsion, face, 14 volunteers.
Wrinkles determined by Primos camera

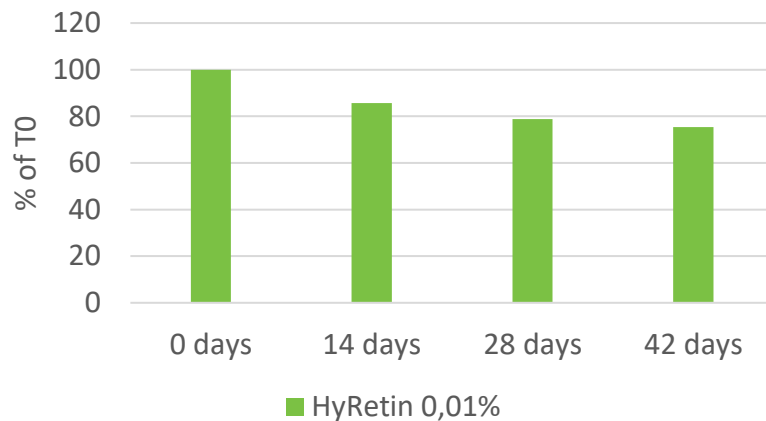


TEXTURE
IMPROVEMENT

24%

REDUCTION
OF SKIN PORES

In vivo study by
Contipro



HYRET (0,01%) in emulsion, face, 14 volunteers.
Visible pores number determined by VisioFace

Before

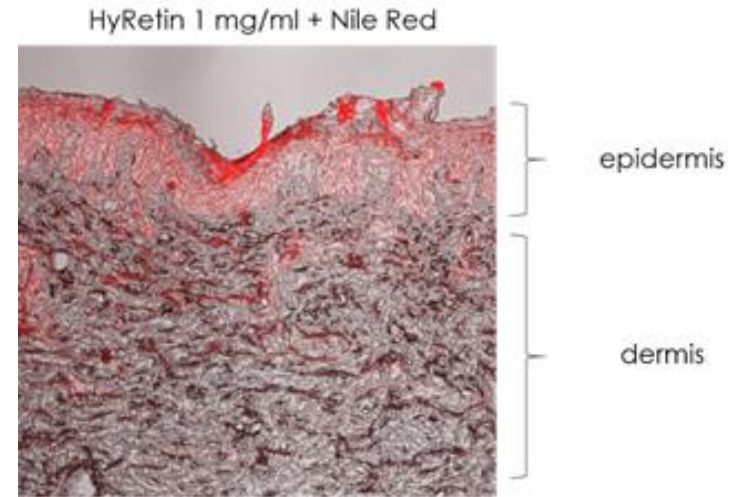


Acne reduction after 4 weeks
of daily treatment with 0,01% HyRetin



Additional advantages of HyRetin

- * Anti-inflammatory properties
- * Increases production of collagen and fibronectin
- * Does not irritate the skin, reduces erythema
- * Penetrates deep into the skin
- * Improves skin elasticity and texture



penetration - Franz diffusion cells, 24h at 37°

Production of HyRetin in Contipro

Sustainable biotech production

Our HA is made by fermentation of a non-haemolytic microbial strain *Streptococcus equi*. HyRetin is produced by chemical modification of very low molecular weight HA.

Environmental friendly production

- Everything we make is **biodegradable**.
- We have our own **solar power plant** and **wastewater treatment plant**.
- Our buildings are **heated with residual energy** from our production operations.



HyRetin: Collected technical data

- **INCI name:** Sodium Retinoyl Hyaluronate
- **Supplied form:** powder
- **Samples:** 1 g
- **Minimal ordering quantity:** 1 kg
(If ordering smaller quantities, price can increase due to handling fees)
- **Recommended concentration in final products:**
0.01 – 0.1 % of powder
(safety tests up to 0,1%)
- **Shelf-life:** 18 months
- **Source:** HyRetin is produced by chemical modification of low molecular weight hyaluronic acid with retinoic acid. Hyaluronic acid is obtained by fermentation, retinoic acid is of synthetic origin.
- **Compatibility and processing:** Sensitive to light. Sensitive to heat and high humidity; avoid prolonged heating. Extreme pH (less than 4 or more than 9) leads to further decomposition. Incompatible with cationic substances, e.g. surfactants or polymers (polyquarternium-4, polyquarternium-10, etc.)
- **Solubility:** Fully soluble in water; soluble in aqueous mixture of ethyl alcohol and isopropyl alcohol



Who We Are

*World leader in research
and manufacturing
of hyaluronic acid.*

*Innovator in biotechnologies
since 1990.*

*Reliable partner of **successful
brands.***



We Are Here to Help You

ZUZANA JENÍKOVÁ

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for active ingredients*

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