

# HyRetin

Ester of hyaluronic and retinoic acid



PATENTED PREPARATION

INCI: SODIUM RETINOYL HYALURONATE



# Who We Are

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

*Innovator in biotechnologies  
since 1990.*

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





# 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.



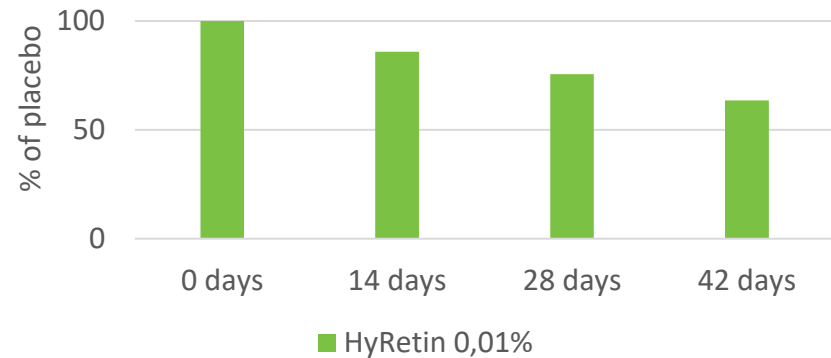


OILINESS

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)

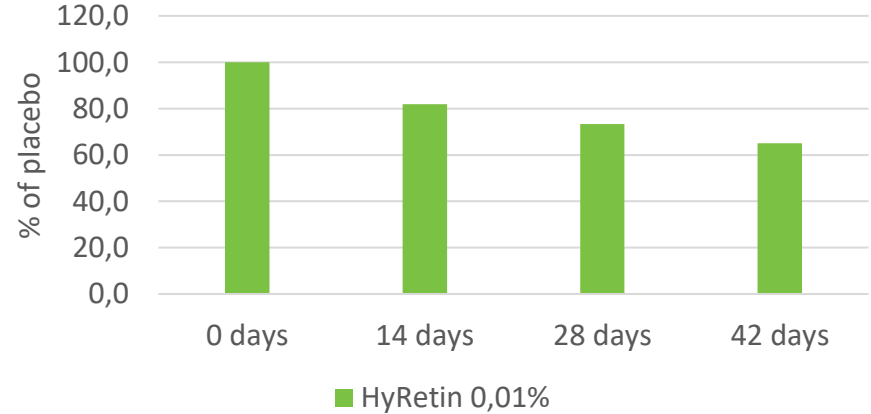


## WRINKLE REDUCTION

# 36%

## REDUCTION OF WRINKLES

### *In vivo study by Contipro*



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

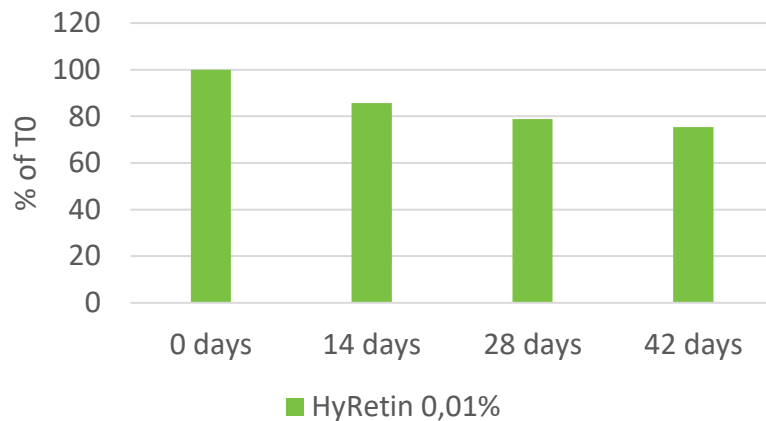


TEXTURE  
IMPROVEMENT

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

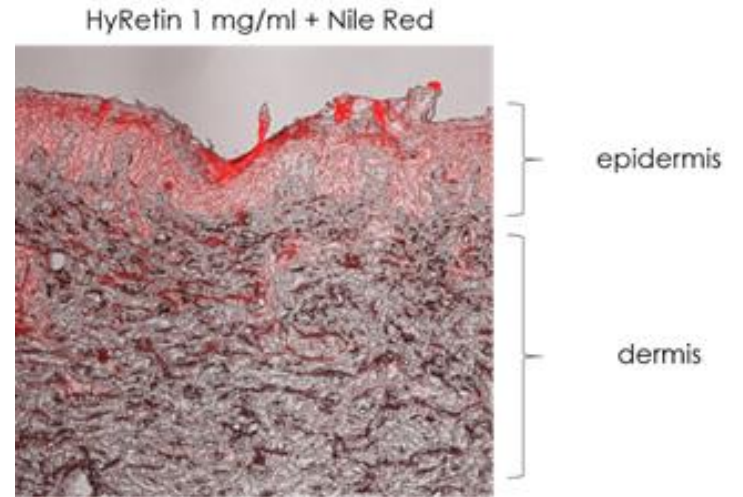


**Acne reduction after 4 weeks**  
of daily treatment with 0,01% HyRetin



# 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°



# 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



# We Are Here to Help You

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