



PREREGEN[®] PF

*Unique active complex
to protect skin from
external pollution*

October 2020

Environmental Exposure Accelerates Skin Ageing

- Everyday, slight, invisible irritation reactions occur on our skin due to growing environmental stress.
- This leads to a continuous damage and without preventive measure to accelerated skin ageing.

Main causes

- atmospheric pollution (ozone, smog, NOx, smoke,...)
- heat and cold
- UV radiation
- household chemicals (cleaning products, detergents,...)
- dry air (overheated rooms, airstreams, etc.)

Harmful Influence of Ozone on the Skin



O₃



**Lipid Peroxidation
(cell membrane)**

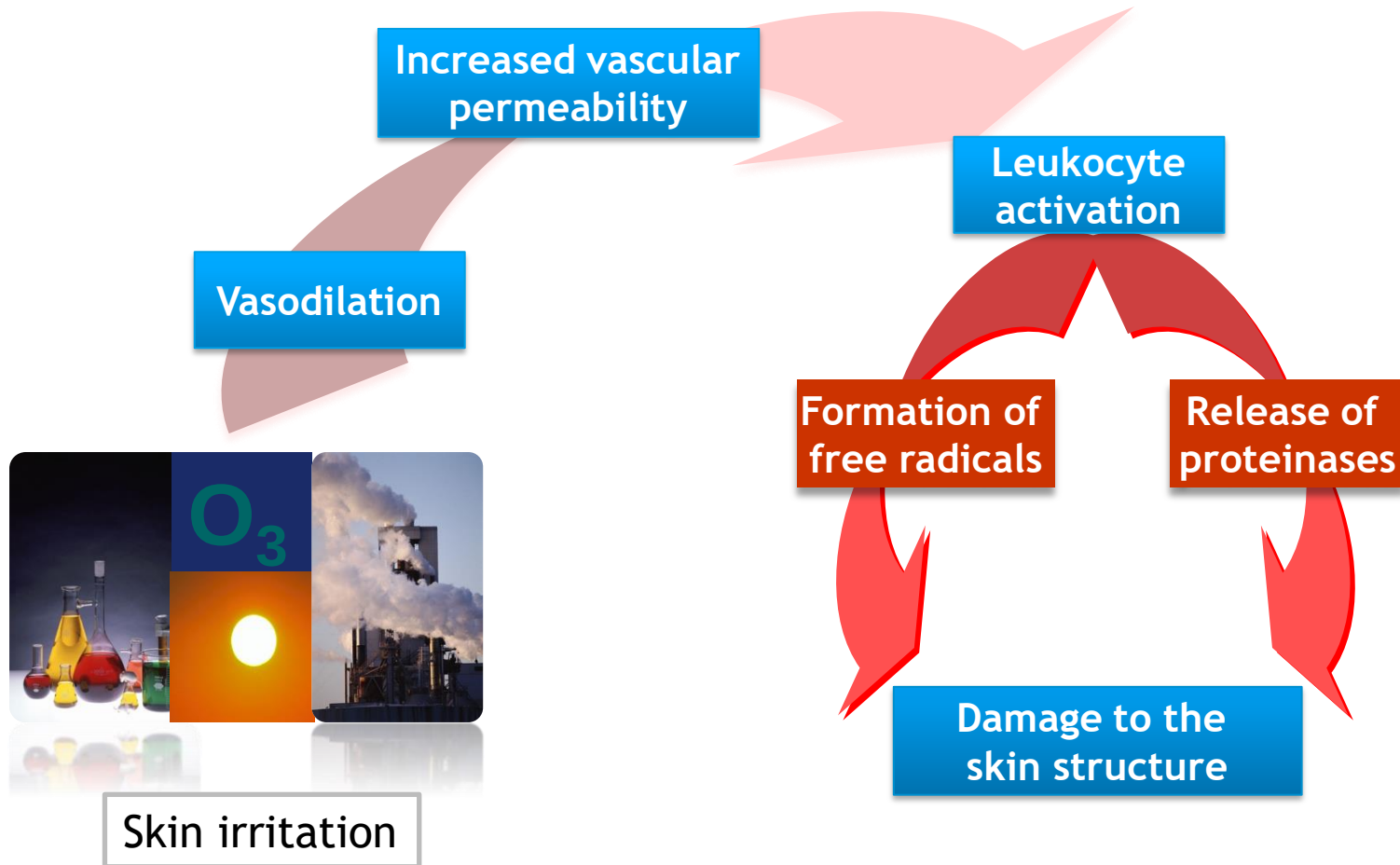


**Destruction of
the skin barrier**



**Triggering off inflammatory
reaction**

Skin Answer to a Daily Aggression



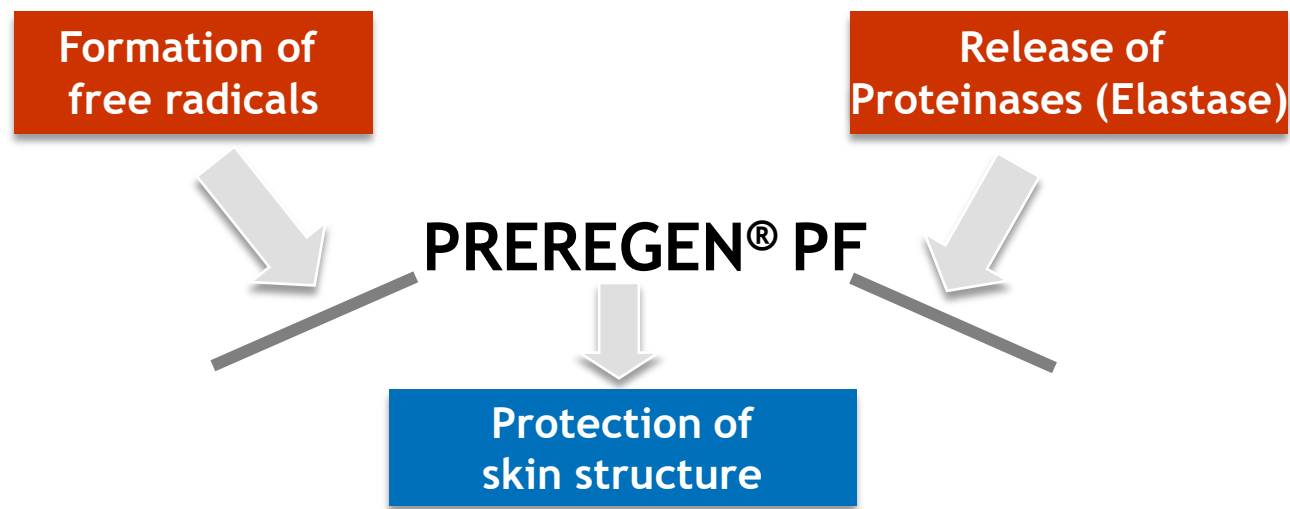


PREREGEN® PF

Unique active complex to
protect skin from
external pollution

PREREGEN® PF

An Outstanding Protecting Shield

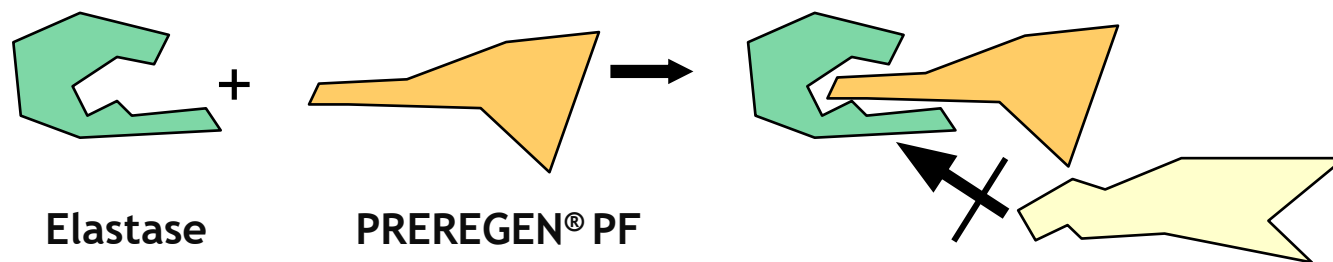
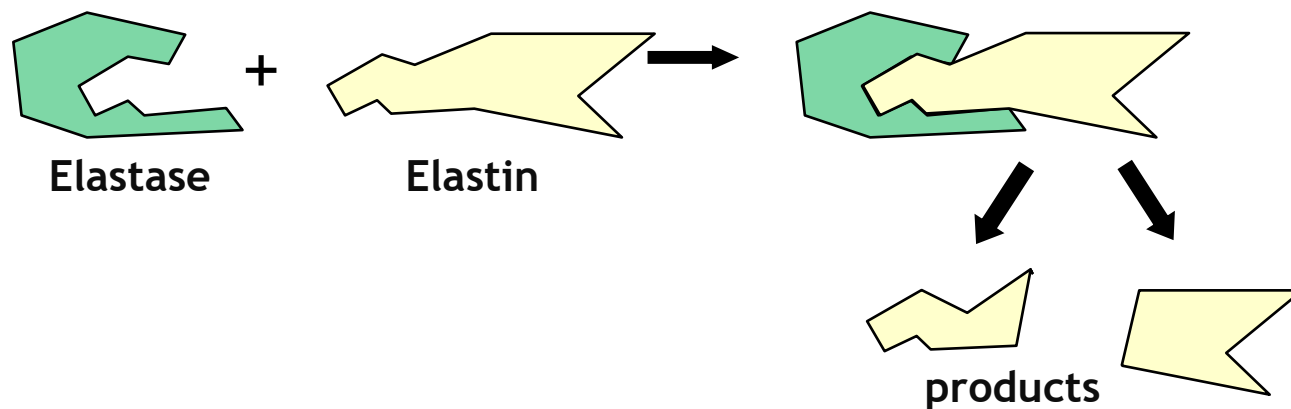


PREREGEN® PF exceptional composition:

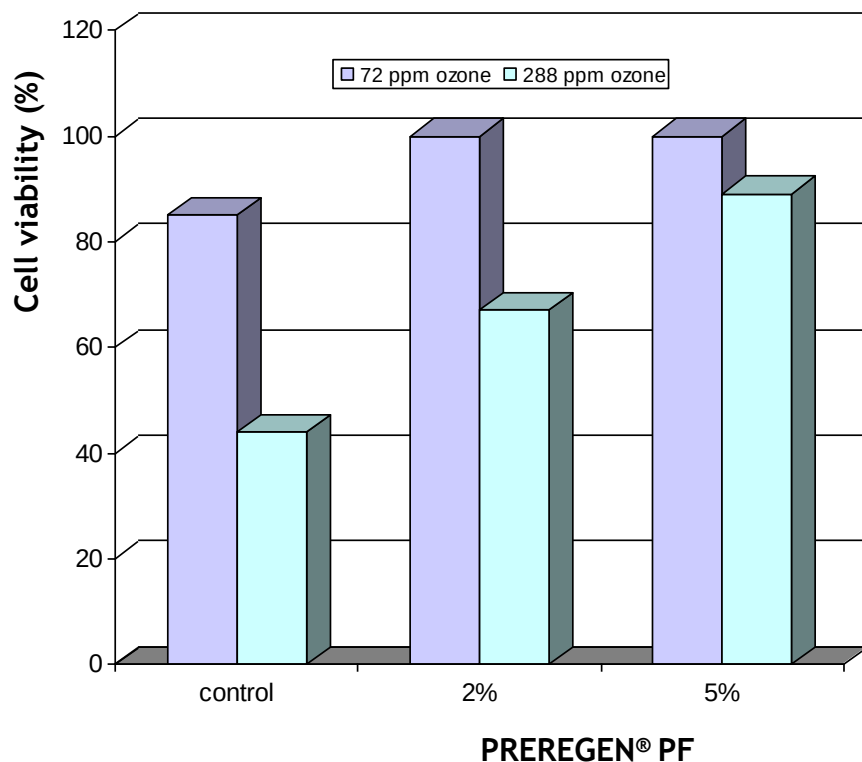
Biotechnologically produced **Oxido reductases** as radical neutralizer
combined to

Specially purified **Soya polypeptides** as proteinase inhibitor

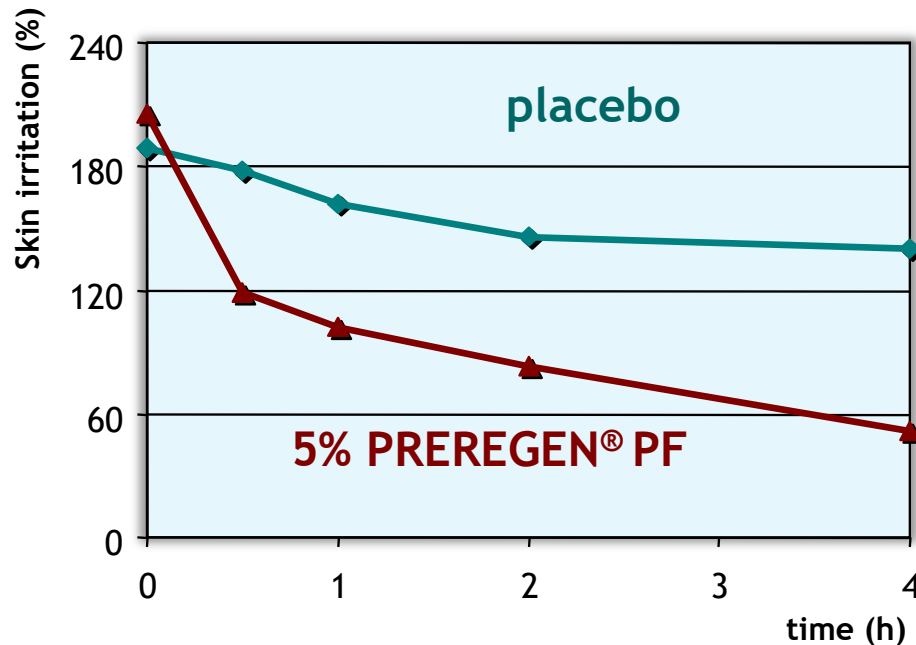
How Does PREREGEN[®] PF Work as Elastase Inhibitor?



PREREGEN® PF Protects Keratinocytes from Ozone Harmful Influence (*in vitro*)



PREREGEN® PF Strongly Reduces Skin Irritation (*in vivo*)



- 10 subjects
- Application of 2% SLS under semi-occlusion for 24 hours
- Followed by application of 5% PREREGEN® PF
- Skin irritation analysis with Laser Doppler

PREREGEN® PF *in vivo*

Study Design

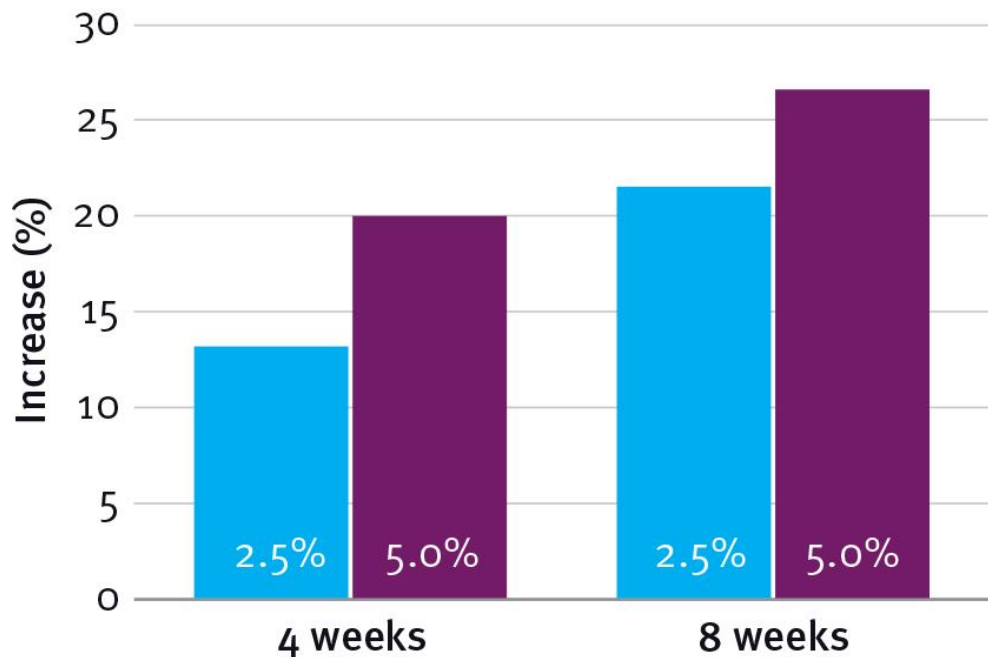
Volunteers: 30 female volunteers, 30+ years old

Formulation: Placebo controlled study
5% PREREGEN® PF in a gel

Application: Hemi-face twice per day after facial cleansing
8 weeks

Parameters: Skin firmness (Ballistometer)
Skin moisturization (Impedance measurement)
Lines & wrinkles (SFL Scoring and Image Analysis)

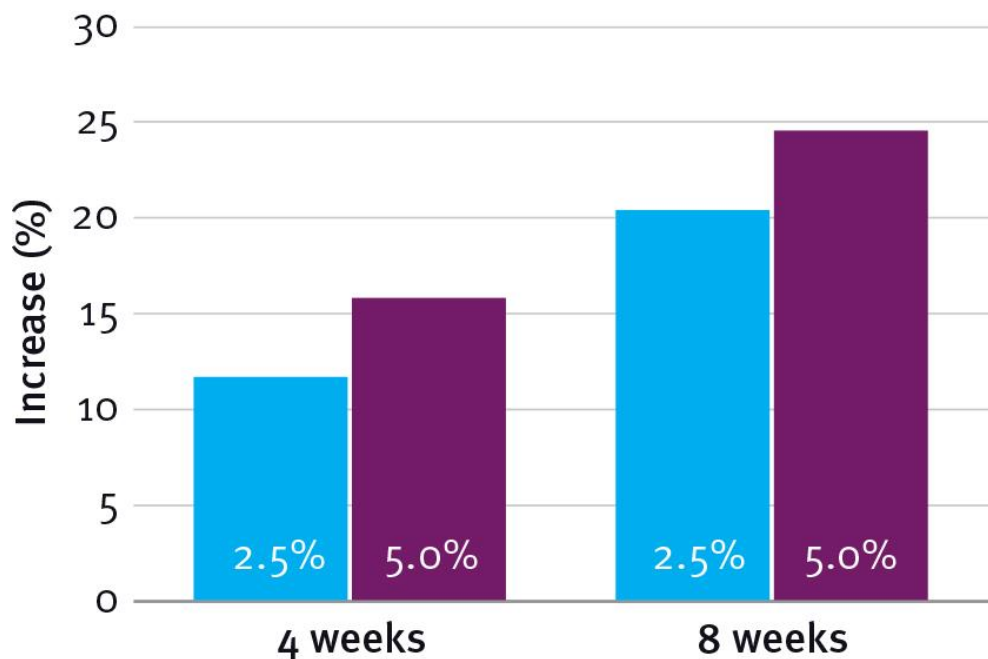
PREREGEN® PF Significantly Increases Skin Firmness



Significant skin firmness increase after 8 weeks of treatment:

- 21.9% with 2.5% PREREGEN® PF
- 27.1% with 5% PREREGEN® PF

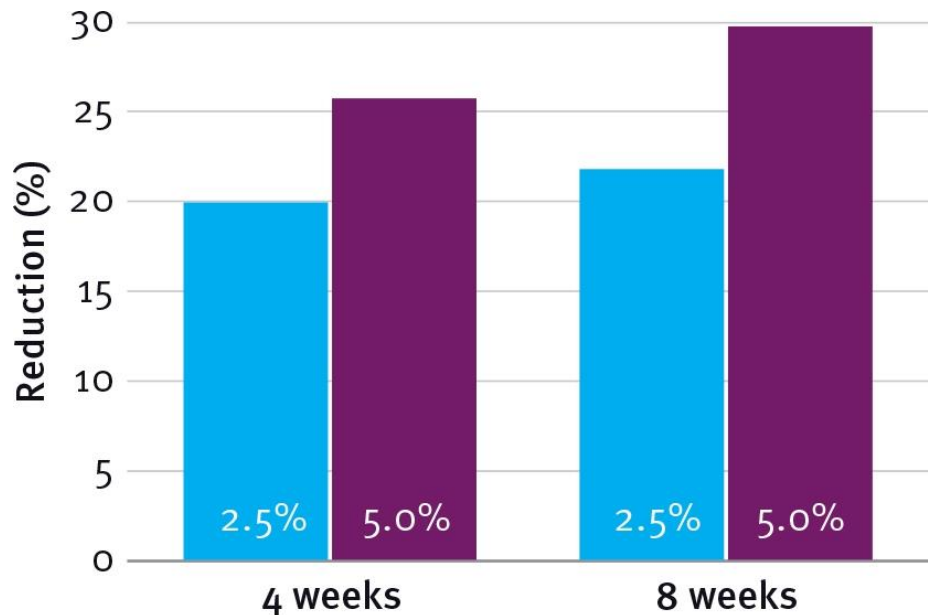
PREREGEN® PF Significantly Increases Skin Moisturization



Significant skin moisturization increase after 8 weeks of treatment:

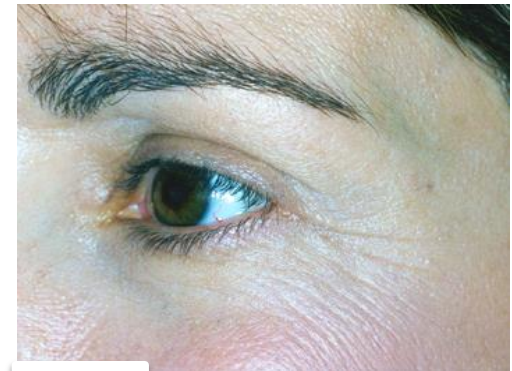
20.2% with 2.5 % PREREGEN® PF
24.2% with 5% PREREGEN® PF

PREREGEN® PF Visibly Reduces Superficial Facial Lines (SFL) and Wrinkles

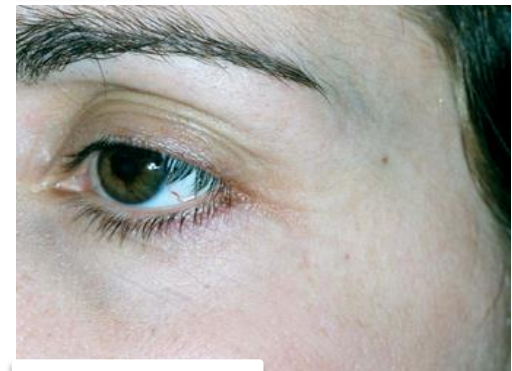


Visible SFL reduction after 8 weeks of treatment:

- 22.5% with 2.5% PREREGEN® PF
- 29.4% with 5% PREREGEN® PF



Day 0



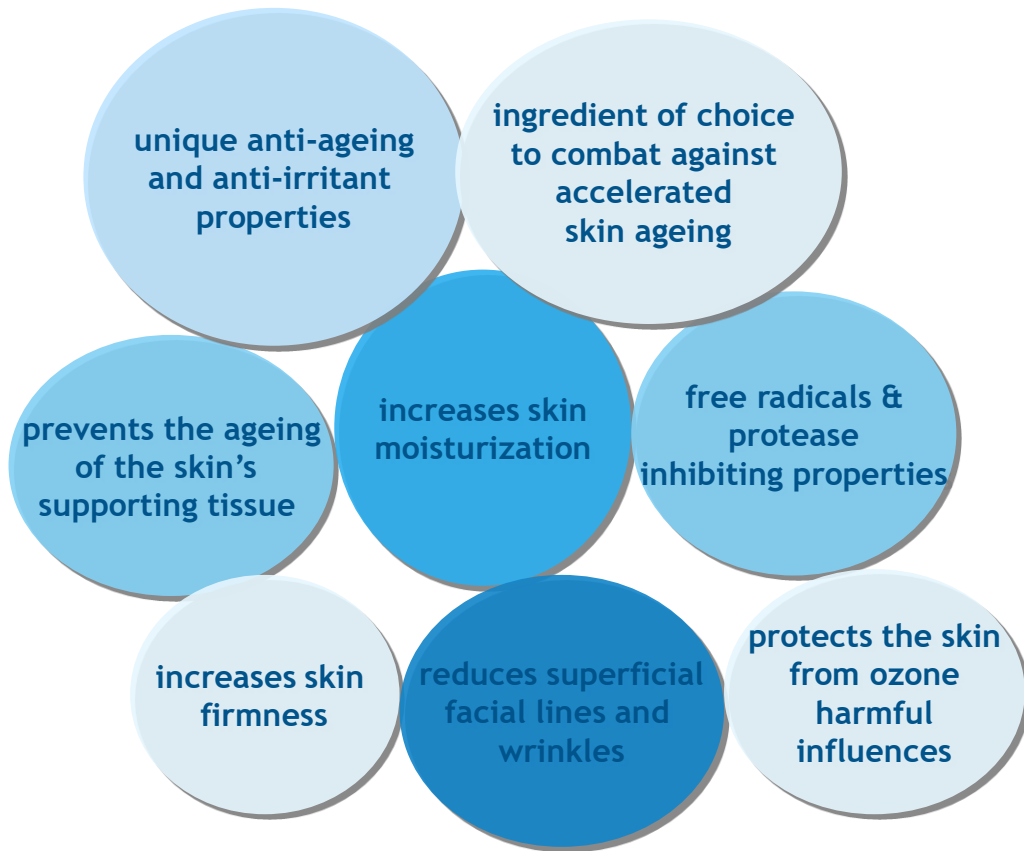
After 8 weeks

Cosmetic Application

- Anti-ageing products
- Sensitive skin care products
- After sun products
- Regenerative products

PREREGEN® PF

Unique Active Complex to Protect Skin
from External Pollution



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The background is a dynamic, abstract composition of overlapping, wavy bands in various shades of blue and teal. The colors range from deep navy blues to bright, vibrant blues and light greens, creating a sense of movement and depth. The waves flow horizontally across the frame, with some bands curving upwards and others downwards, giving the impression of a stylized ocean or a flowing liquid. The overall effect is modern and energetic.

BRIGHT SCIENCE. BRIGHTER LIVING.™