



LenEas

The most innovative
and soothing polypeptide,
faster and green care
for your skin.



Transactiva
is an Italian company
located in the Friuli
Venezia Giulia region



The Company.

Transactiva is a research and development company born from biomedical research, dedicated to the development of innovative therapies based on **Plant Molecular Farming**. An innovative and green vision of medical and biological skills is shared by the people of Transactiva, with the aim of promoting a greater accessibility and sustainability of the produced biopharmaceuticals and dermocosmetics. **Research, development** and **innovation** are the keywords that describe the company's core business and values.



The Core.

Transactiva focuses its action on the production of complex pharmaceutical and cosmetic molecules, such as bioactive polypeptides, whose production is impossible by chemical synthesis and requires innovative technologies. Transactiva develops and participates in research and development programs in collaboration with international companies and research centers.

- **Active polypeptides**
- **Enzymes**
- **Bioactive proteins**



Strenghts.

- Long term scientific experience
- Proven efficacy both in vitro and in vivo
- Reliability, credibility and consistency
- Real «treatments» to improve skin appearance
- Green technology for bioactives production

Technology + products.

Plant Molecular Farming technology allows Transactiva to produce bioactive peptides with a transient system in *Nicotiana benthamiana* (Australian tobacco) leaves. Our bioactives are ideal for formulations with high water content, such as serums, hydrogels or creams. Our products are so effective that they are active even at very low concentrations!

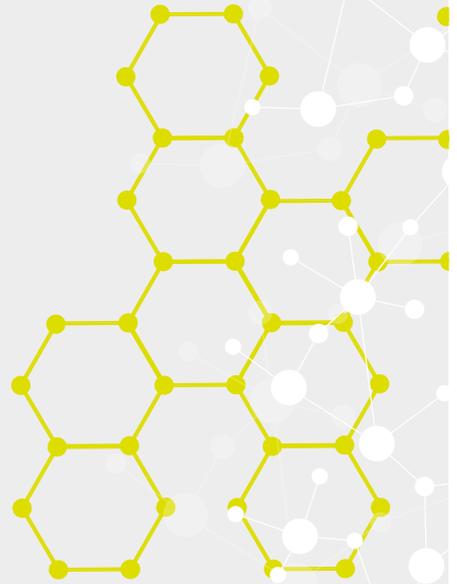
TOBACCO LenEasy®

LenEasy® PepT1

INCI: Glycerin, Phosphate buffered saline, Hydrolyzed vegetable protein, Phenoxyethanol.

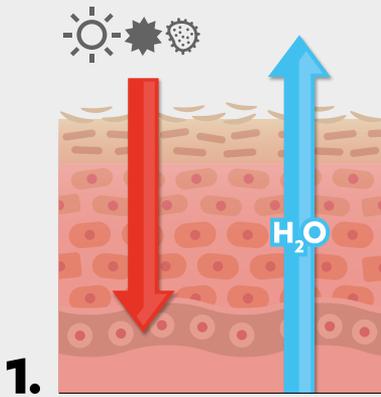
LenEasy® PepT2

INCI: Glycerin, Phosphate buffered saline, Hydrolyzed vegetable protein, Glyceryl caprylate, Glyceryl undecylenate, Benzyl alcohol.



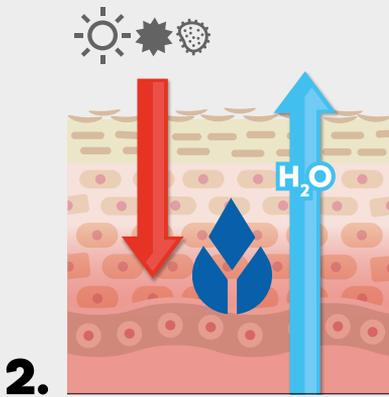
	Soothing	No GMO	Vegetal OK	Cosmos approved
PEP T1	●	●	●	
PEP T2	●	●	●	●

How it works.



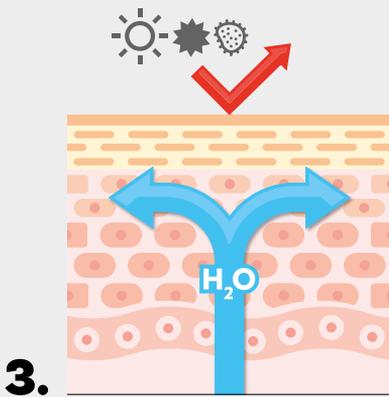
IMPAIRED SKIN BARRIER

External aggressions, internal factors and inflammation can cause a malfunction of the skin barrier, which results in skin redness and water loss and may facilitate pathogens infiltration.



SOOTHED SKIN

LenEasy® bioactive peptides help to reduce irritation of sensitive and inflamed skin. Reduce water loss and redness disappears helping the barrier regeneration.



REPAIRED SKIN BARRIER

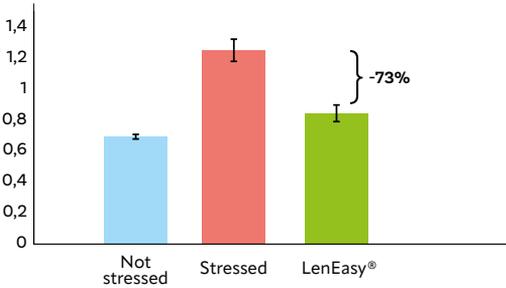
The skin is restored, the barrier is rebuilt, able to defend itself and maintain proper hydration.



germs, pollutants,
UV and radicals

Tests results.

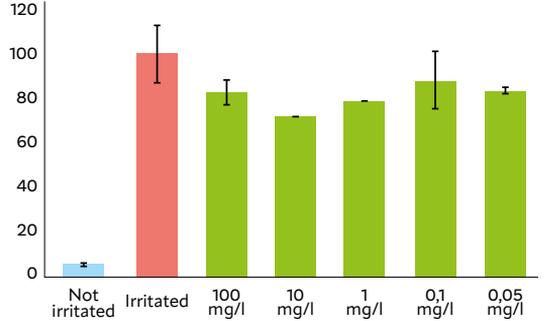
RELATIVE ABSORBANCE (ICAM-1 Release)



ICAM-1 TEST

In Vitro reduction in the release of ICAM-1 inflammatory marker in presence of the LenEasy® bioactive peptide.

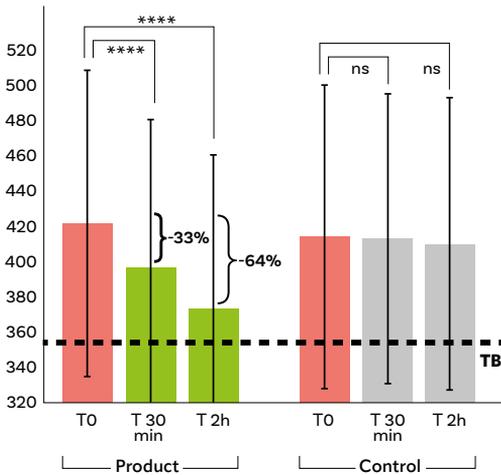
% RELEASE



IL-1α TEST

on artificial skin model
Reduction in interleukin 1α level after in Vitro treatment with LenEasy® of "irritated" artificial skin.

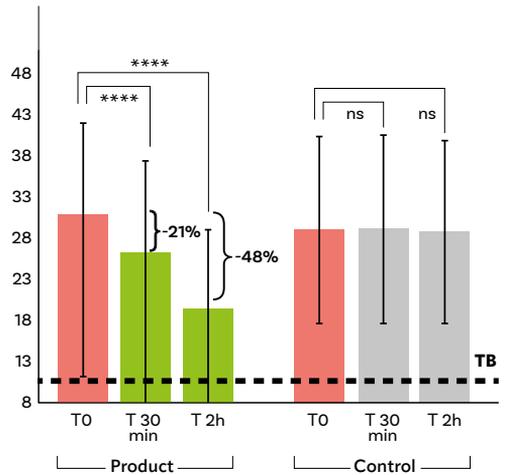
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ERYTHEMA

In Vivo erythema reduction (Mexameter®) after LenEasy® (0.1 mg/L) application:
-33% redness in 30 min
-64% redness in 2 hrs.

g/m²h



TEWL

In Vivo water loss evaluation on irritated skin (TEWL), after LenEasy® (0.1 mg/L) application:
-21% water loss in 30 min
-48% water loss in 2 hrs.



Transactiva S.r.l.
Via J. Linussio, 51
33100 Udine, Italy
info@transactiva.it
www.transactiva.it