

CHROMELAN

Scientific overview

The Science of Chromelan™

A patented melanocortin peptide that activates the skin's own melanin defense, studied in human skin by independent laboratories.

2.4x
more melanin in human skin in 7 days

86%
of subjects showed measurable tone change in 21 days

0%
irritation across a 21-day human study

Epidermis
targeted delivery, not detected beyond it

How Chromelan™ works

01 CONNECT

Reaches the receptor

Chromelan™ reaches the melanocortin receptors in the skin.

02 SIGNAL

Activates the pathway

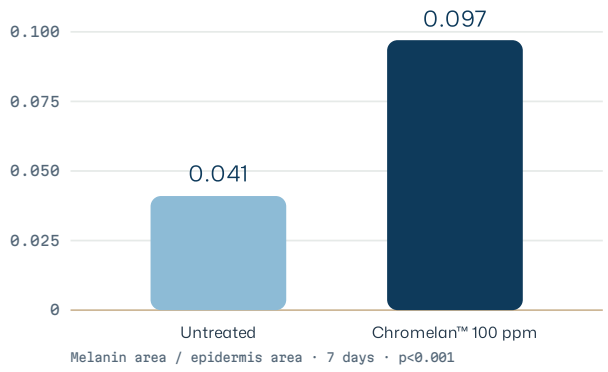
It activates the skin's own biological defense pathways.

03 RESPOND

Skin defends itself

Skin produces natural melanin, strengthens its UV-stress defense, and calms inflammation.

Melanin activation EX VIVO HUMAN SKIN



Study design. Living human skin explants from three donors, treated for 7 days. Melanin quantified by image analysis of stained skin sections. Chromelan™ also activated melanin across skin phototypes.

Human clinical study 21 DAYS

86% of subjects showed measurable skin tone change by day 21, with zero sun exposure.

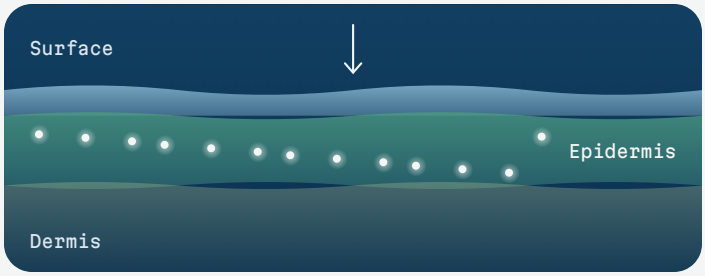
0% irritation. No adverse reactions across the full study.

100% of subjects found it pleasant to use.

Study design. Single-blind, placebo-controlled study in about 30 adults with fair skin (phototype II), the hardest skin type to activate. Twice-daily application, with skin tone measured by spectrocolorimetry. No sun or UV exposure during the study.

All studies conducted by independent laboratories.

Targeted delivery HUMAN SKIN · 24 H



Study design. Human skin in diffusion cells for 24 hours, measured by HPLC with mass spectrometry. Chromelan™ was found in the epidermis, where melanin-producing cells and their receptors live, and was not detected in the dermis or beyond.

Safety and formulation

Tolerance	0% irritation, no adverse reactions in human use
Preservation	Finished formulas meet ISO 11930 efficacy standards
Classification	Not hazardous under EC 1272/2008
Active	Patented melanocortin receptor peptide
Molecular weight	1530.77
Use level	Evaluated at 20 to 100 ppm
Systems	Gel and emulsion
Site of action	Epidermal level

Proprietary technology

TECH LAUNCH ARIZONA

University of Arizona - Chromelan™ topicals are backed by 10 years of R&D and developed within the state-of-the-art laboratories, research facilities, and scientific expertise of University of Arizona Tech Launch Arizona. Chromelan™ advisors continue to publish melanocortin peptide research in leading scientific journals.

Three ways to bring Chromelan™ to market

INGREDIENT SUPPLY

Your formula. Powered by Chromelan™.

The patented peptide, technical data sheet, formulation guidance, and clinical data to support your claims.

WHITE LABEL

Your brand. Our science. Skincare, done.

Custom formulation, manufacturing, and packaging support, with a patented active at the center.

WHOLESALE

Clinically studied skincare, ready for your shelves.

PeptiPROTECT™ and PeptiLIFT™ at wholesale pricing, plus product education and marketing assets.

Contact Chromelan™ for more information. chromelan.com

Results reflect the conditions of the studies described and were obtained in independent laboratory and human testing. This document is for business and informational purposes. Brands are responsible for the claims made for their finished products. Chromelan™ is a trademark of Neuvéra Life Inc.

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