

Results of a Clinical Study on D-LAB's Collagen

Skin care results from an oral supplementation with a collagen & elastin mix.

► INTRODUCTION

- D-LAB's Pure Collagen is a ground breaking formula based on the carefully selected active ingredients of Collactive™, a collagen & elastin mix.
- By combining the two main ingredients of the extracellular matrix, COLLECTIVE™ has a synergic anti-wrinkle action : elastin fibers give the dermis suppleness, and the collagen fibers restore the skin's tensile strength.
- When orally administered at 4 capsules/day, D-LAB Pure Collagen's collagen and elastin peptides stimulate the biosynthesis of the dermis' main ingredients to lift and tone the skin.
- The efficacy of Collactive™ against various skin care parameters has been proven by a clinical study.

► I. CLINICALLY PROVEN EFFECTS OF COLLECTIVE™

I.A characteristic of the study

- **Subjects** : conducted on 43 women, between ages 40 and 55 years' old
- **Studytype** : Simple parallel study vs. Placebo
- **Length** : 84 days
- **Dosage** : 2 capsules/day of Collactive™

I.B Study results

Results of D28	Results of D84
Smoothing effect Anti-wrinkle effect	Protective effect on the skin

I.C Proven efficacy

- Collactive™ shows its first results starting as early as 28 days.
- Collactive™ presents anti-ageing properties by protecting the skin.
- Collactive™ has a proven anti-wrinkle effect.
- Collactive™ has a beneficial impact on the appearance of the eye contour.
- Collactive™ moisturizes the skin from the inside out.

I.D Available statistics

- COLLECTIVE™ significantly reduced the number of deep wrinkles after 28 days for 71% of the subjects.
- The average deep wrinkles reduction was equal to 19%.

The skin was then exposed to cold temperatures between day 28 and day 84.

- In the placebo group, there was a significant increase in the number of deep wrinkles of +51% of D84, which was observed in 88% of the subjects.
- However, there was no significant variation in the cutaneous relief parameters in the COLLECTIVE™ group after 84 days.

► I.D Material and methods

One of the major **advantages** of the study was the use of **peak technology** to record changes occurring to the subjects in **minute detail** :

- **SIA®** : A skin-print was studied using a **Skin Image Analyser®** (SIA®) with **QuantiRides®** software to assess the number and depth of **furrows** and wrinkles.
- **Hydrascan®** and **Corneometer®** : were used to assess the cutaneous of the hydration rate.
- **Cutaneous Tolerance** : was evaluated through a **clinical examination** and volunteers were asked to fill out a **questionnaire** to know their subjective evaluation.

► II. CONCLUSION

- **Easily Absorbed** : hydrolyzed collagen and elastin, such as COLLECTIVE™ can **easily be digested and absorbed** due to the **peptide** nature of these molecules [1,2].
- **Fast & Easy** : D-LAB Pure Collagen is **active as early as 28 days at 4 capsules/day**.
- **Safe** : In the conditions of the study, COLLECTIVE™ showed no **side effects**.
- **Effective** : D-LAB's collagen and elastin peptides stimulate the **biosynthesis** of the dermis' main ingredients to **lift and tone** slacking areas, minimizing apparent **lines** and **wrinkles** as per the results of the clinical study.
- **Works with Others** : As it supports the skin **from the inside out**, it would ideally be used in **conjunction** with topical cosmetics for a more active effect.

► III. REFERENCES

1. Oesser S., Adam M., Babel W., Seifert J., 1999. Oral administration of (14)C labeled gelatin hydrolysate leads to an accumulation of radioactivity in cartilage mice (C57/BL). J. Nutr., 129(10), 1891-1895.
2. Iwai K., Hasegawa T., Taguchi Y., Morimatsu F., Sato K., Nakamura Y., Higashi A., Kido Y., Nakabo Y., Ohtsuki K., 2005. Identification of food-derived collagen peptides in human blood after oral ingestion of gelatine hydrolysates. J Agric Food Chem 53:6531-6536