

## Results of a Clinical Study on Holimel™

UV protective effect of oral supplementation with a SOD rich extract.

### ► INTRODUCTION

- D-LAB's Skin Calming Complex is based on the carefully selected active ingredients of Holimel™, a 100% natural SuperOxyde Dismutase (SOD) rich melon juice concentrate, obtained from a unique proprietary and non-GMO variety of the French Cantaloupe melon.

- To protect SOD from gastric-degradation, the laboratory developed gastric-resistant coatings obtained by microencapsulation. By protecting SOD from digestive enzymes, the coating enables it to reach the intestine without digestion and loss of effect, and to initiate there its impact.

- When orally administered at 1 capsule/day, D-LAB Skin Calming Complex prevents the skin from UV damages.

- The efficacy of Holimel™ in sun protection has been proven by a clinical study.

### ► I. CLINICALLY PROVEN EFFECTS OF HOLIMEL™

#### I.A characteristic of the study

- Subjects : conducted on 44 men & women between ages 18 and 50 years old
- Studytype : Holimel™ vs placebo, randomized & double blind clinical trial
- Length : 32 days
- Dosage : 1 capsules/day of Holimel™

#### I.B Study results

##### Results of D33

- Minimal Erythema Dose Increased
- UV protection increase by 16% compared to placebo

#### I.C Proven efficacy

- Holimel™ shows its first results starting as early as 29 days.
- Holimel™ presents anti-aging properties by protecting the skin from UV damages.
- Holimel™ has a proven anti-inflammatory.
- Holimel™ has a beneficial impact on the endogenous defensive mechanism against ROS by increasing endogenous antioxidant enzymes.

#### I.D Available statistics

- HOLIMEL™ significantly increases the Minimal Erythema Dose (MED) by 16% compared to placebo after 32 days of oral supplementation.
- In the placebo group, there was a no significant increase of the MED throughout the month.

#### I.D Material and methods

The MED was assessed on buttocks skin. MED is defined as the amount of UV radiation that will produce minimal erythema (sunburn or redness caused by engorgement of capillaries). The scale used to characterize the reaction and determine the MED start from 0 (No reaction) to 3 (Strong erythema with edema). The MED corresponds to the first UV dose for which is obtained a visual score of 1.

## ▶ II. CONCLUSION

- Easily Absorbed: encapsulated SOD such as HOLIMEL™ can easily be absorbed due to the coating.
- Fast & Easy: D-LAB SOD is active as early as 29 days at 1 capsule/day.
- Safe: In the conditions of the study, HOLIMEL™ showed no side effects.
- Effective: D-LAB's SOD protects the skin from harmful UV effects, preventing from inflammatory.

## ▶ III. REFERENCES

1. Carillon et al., 2013. Superoxide Dismutase Administration, A potential Therapy Against Oxidative Stress Related Diseases: Several Routes of Supplementation and Proposal of an Original Mechanism of Action.
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