

**Final Report SAM3494i****EFFICACY STUDY OF A COSMETIC TREATMENT  
WITH ANTI-CELLULITE EFFECT**

Study Program nr.: SAM3494

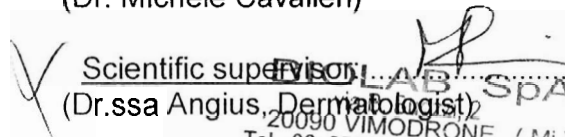
Contract n.: M06/1264.1MI

Customer: LABORATOIRE DR. PAUL & KARIN HERZOG S.A.  
Rte du Monteliza, 37-39  
1806 Saint-Legier, Switzerland

Test substance: DYNAMIC DUO

Study director:   
(Dr. Michele Cavalleri)

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Scientific supervisor:  
(Dr.ssa Angius, Dermatologist)

Date: 31.10.06

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## SUMMARY

On the test substance DYNAMIC DUO, an *in vivo* efficacy study has been performed. A panel of twenty volunteers was used.

The volunteers applied the test substance twice a day for 30 days on thighs and hips.

The anti-cellulite effect was evaluated instrumentally throughout the measurement of mechanical skin parameters, such as skin hysteresis and elasticity, in a suction device.

In particular the following biomechanical parameters were investigated at the beginning ( $t_0$ ), halfway ( $t_{1/2}$ ) and at the end of the study ( $t_f$ ):

1. The skin capability to return to its initial position after undergoing tensile stress (suction). This very important parameter is generally called gross elasticity (named R2).
2. The capacity of reformation of the skin after suction (named R9).

Furthermore, an expert physician evaluated the amount of fatty layer under the area of examination, by measuring the circumference on thighs and hips at the beginning ( $t_0$ ), halfway ( $t_{1/2}$ ) and at the end of the study ( $t_f$ ).

Skin smoothness was evaluated throughout direct observation.

Furthermore, volunteers were supplied with a form to be filled with their subjective and psychoreological evaluations.

The experimentation lasted 30 days, from day of first application to day of last application of the test substance. Measurements were taken on each volunteer immediately before the first application ( $t_0$ ) and at least 12 hours following last application ( $t_{1/2}$  and  $t_f$ ).

The results obtained in this experimentation, showed that the test substance was capable to improve the skin parameters of elasticity and reformation after suction, though not significantly at the statistical level. Both thigh and hip circumferences showed a statistically significant decrease at the end of the treatment.

On the basis of these results, the test substance *DYNAMIC DUO*, has to be considered **effective** as an anticellulite treatment in the experimental conditions described in the present report.

## **INTRODUCTION**

On behalf of the company LABORATOIRE DR. PAUL & KARIN HERZOG SA, we performed a study in order to supply information about the anti-cellulite efficacy of a cosmetic product.

The test was performed on a panel of 20 female humans, adults, sane, following their written consensus.

Non-invasive instrumental measurements as well as objective, subjective and psychoreological evaluations formed this study.

The study was performed at the Biolab Assay Centre, via B. Buoizzi, 2 20090 Vimodrone (MI).

The study started the 27<sup>th</sup> September, 2006 and ended the 26<sup>th</sup> October, 2006.

## **FILING**

The study program and all raw data are kept in the archives of Biolab S.p.A. for 10 years from the conclusion of the study.

The test substance will not be kept.

The Sponsor, upon drafting a suitable contract, may request an extension of the conservation of all or part of the substances for a further period or their restitution.

## **PROCEDURES**

The procedures used in the study are documented in the Procedure Handbook of Biolab S.p.A.

## **DEVIATIONS**

No deviations occurred during the study.