

Four Week Anti-Aging Clinical Study

Performed by DERMAC LABORATORY INC.

Objective:

The study was to determine the efficacy of a topical product with Supplamine™ to improve the appearance and qualitative aspects of skin during a four-week usage period.

Study Design:

A base cream with Supplamine™ was tested for its ability to improve skin smoothness, firmness, and hydration after a 4 week treatment. Seventy five volunteers with dry skin and exhibiting visible signs of aging on their face were treated with twice daily application.

Skin hydration on the cheek area of subjects was assessed via Impedance Meter, which is a well-documented and widely used device to measure changes in skin moisture content.

Skin firmness was assessed via Ballistometer by dropping a pendulum to the skin surface and the resultant bouncing pattern was analyzed by a computer to determine skin firmness.

Wrinkle reduction was assessed visually by the investigator according to the method of Packman. In conjunction with the clinical assessment of facial lines, changes in the visibility of lines and wrinkles were also objectively quantified by taking Siflo™ Replicas of canthus area and analyzing the replicas with a computer image analysis system.

All data were collected at the beginning of the study, after week 2, and after week 4.

Conclusions:

The study evaluated the clinical efficacy of a base cream with Supplamine™ over a four-week usage period. The results of the laboratory testing in this study suggested that the product tested was **highly effective in improving skin moisturization, skin firmness as well as in reducing fine lines and wrinkles**. When used twice daily, significant improvement in all clinical parameters was observed after two weeks of treatment and much greater improvement was seen after four weeks of treatment.

Results:

1. Percentage of Subjects with Improvement from Baseline

Skin smoothness	100%
Skin firmness	100%
Skin moisture	100%

2. Average Improvement over Baseline

Dynamis cream with Supplamine™ **increased moisture by 45%, increased appearance of firmness by 25%, and reduces fine lines and wrinkles by 43% in 4 weeks.**

