

Effect of PhytoCellTec™ Md Nu on Skin Density, Elasticity and Firmness



S-670

Test institute: Skin Test Institute., 2008 Neuchâtel, Switzerland

Sponsor: Mibelle AG Biochemistry, 5033 Buchs, Switzerland

INTRODUCTION

The aim of the study was to evaluate a set of three age-related parameters on skin stimulated by the activity of a food supplement ingredient. Age-related parameters were epidermis + dermis density, skin elasticity and firmness.

Biometric measurements were performed on the right inner forearm. A questionnaire was filled by volunteers at the end of the study.

STUDY DESIGN

Test product

- Oral intake of 10 mg PhytoCellTec™ Md Nu in form of 100 mg powder preparation per day together with a glass of liquid. Volunteers received a spatula for the powder dosage.

Volunteers

- Number of individuals: 31 Caucasian females
- Age: 42 - 65
- Phototype: I - III

Application

- Duration: 2 months
- Frequency: Once a day (mornings)

Test parameters

- Elasticity
- Firmness
- Epidermis + Dermis Density
- Questionnaire evaluation

Methods + Materials

- Elasticity measurements were performed by using a Corneometer® CM 825 MPA (Courage & Khazaka, Germany)
- Firmness measurements were performed by using a Reviscometer® RVM 600 (C+K, Germany)
- Epidermis + dermis density measurements were performed by using a DermScan® C (Cortex technology Denmark)
- Self-assessment questionnaire was filled by all volunteers at t1. The main topic of this questionnaire concerned the satisfaction about the performance of treatment.

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Skin Evaluation

One group of volunteers was established, without randomisation. Volunteers took the food supplement (powder) at home once daily (mornings), dissolved in 1 full glass of cold liquid.

Preconditioning phase

Volunteers did not apply cosmetic products with anti-aging purposes on inner forearms during 14 days before the study started. The goal of the preconditioning phase was to eliminate any possible effects of the previously used cosmetics. The usual skin routine was allowed.

t0 (1st measurement session, baseline)

- Biometric measurements on inner forearm

t0 (evening)

- Home intake; product intake by volunteers during 8 weeks (once daily, mornings)

t1 (after 2 month of home intake)

- Biometric measurements on inner forearm
- Self-assessment questionnaire was filled out by volunteers

End of the study.

RESULTS

Improvement of skin parameters

Results showed an increase in skin density, elasticity and firmness on inner forearms after 2 months treatment with PhytoCellTec™ Md Nu:

- + 4.7 % Elasticity
- + 5.9 % Firmness
- + 10.5% Density

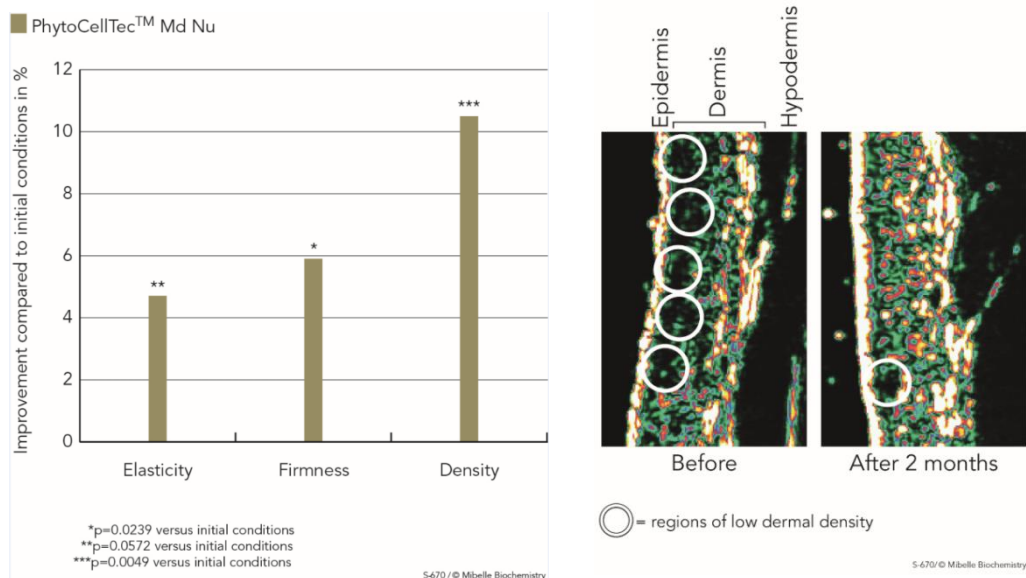


Figure 1. Increase in skin density, elasticity, and firmness of forearms after 2 months of treatment with 10 mg of PhytoCellTec™ Md Nu (left). Ultrasonographic images of epidermis and dermis density (right).

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Questionnaire evaluation

84% of the volunteers feel better in their skin.

81 % noticed that their skin feels smoother and 81 % of the volunteers would like to continue performing the treatment with PhytoCellTec™ Md Nu.

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