

In vivo assessment of skin care products using DERMATOP BLUE

Test aim: the test allows the in vivo assessment before and after the treatment of the following skin care formulations :

- Antiwrinkle – antiage
- Cosmetic products formulated to reduce eye-bags
- Cosmetic products formulated to add turgidness to lips
- Cosmetic products formulated to fight enlarged pores
- Cosmetic products formulated to reduce the cellulite

Subjects undergoing the trial:

- ❑ Nr 30-60 subjects, age: 18 – 60, sex: M/F. possibly representative of the product's prospective users.
- ❑ Criteria of volunteers selection:
 - Good health condition
 - No participation in analogous trials in the two previous months
 - Negative anamnesis for allergenic skin reactions
 - Absence of skin pathologies
 - Absence of topic pharmacological treatment in progress
- Every volunteer is given a form to fill in and subscribe, in order to express free consent to the test and to the above mentioned conditions.

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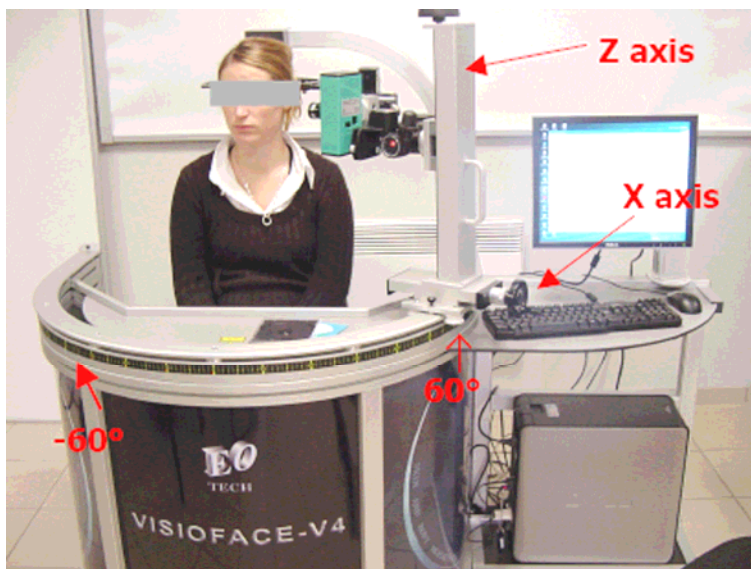
Experimental procedures: one of the following experimental procedures can be employed

- Before, during and after the treatment
- Positive control or market benchmark of proven efficacy
- Comparison among differently formulated products

Instrumentation

The measurement is carried out by **DERMATOP BLUE (EOTECH, France)** using Breuckmann technology.

DERMATOP BLUE is a skin scanner to perform tests for the evaluation of of the skin structure. It compares the results obtained evaluating the volunteers at time 0 and after the treatment with the product to be tested.



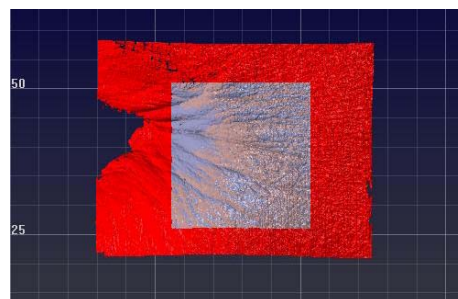
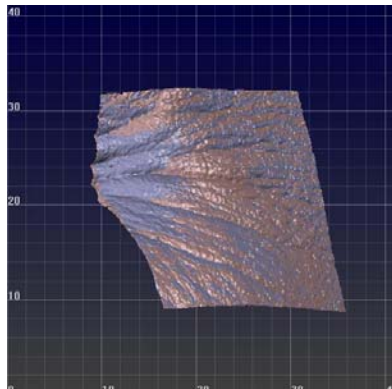
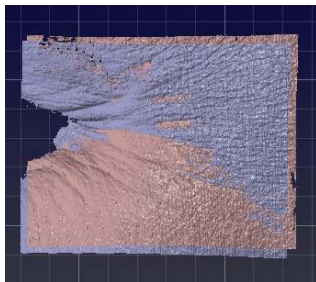
The instrument measures very precisely the performances of cosmetic products formulated to reduce skin imperfections such as: wrinkles, eye bags, dilated pores, thin lips.

A sensor system identifies with great precision the zone to be tested, makes a skin scanning that will detect the position, area and volume of relieves and saggings with microscopic (pores) or macroscopic (mattress skin due to cellulitis) dimensions. The scanning is performed before and after the treatment and finally the differences are registered, photographed and statistically treated.

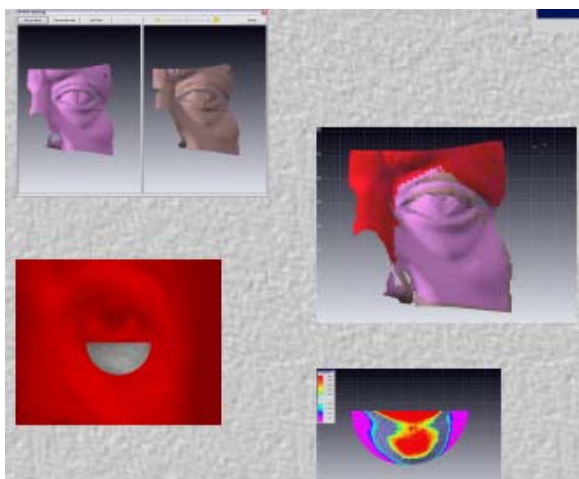
CHELAB®

These are some images obtained using DERMATOP BLUE :

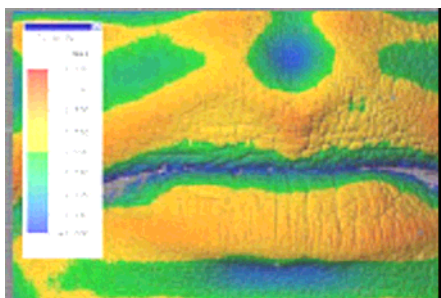
Wrinkle

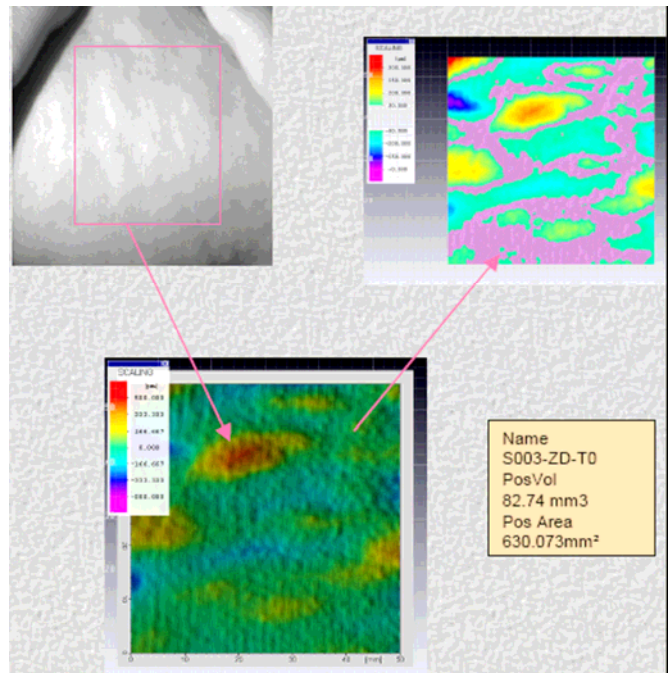
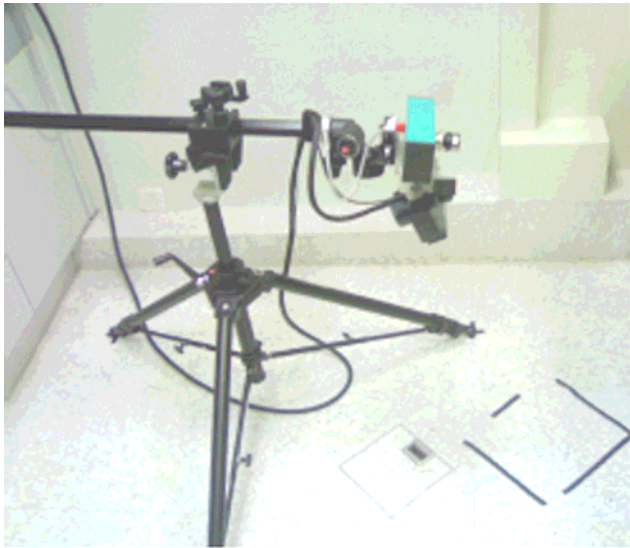


Eye-bags



Lips





Analysis and assessment of results:

- ❑ Criticality assessment
- ❑ Statistic treatment of data: Wilcoxon test (significance level α : 5).

Documentation: a report is compiled with the following structure: identification — objective — significance — work plan — protocol — results - images — statistics — discussion of results — signature.