

kosmo science

SKIN CARE

SKIN SCIENCE AND CONSUMER TESTING

TECHNOLOGICAL PLATFORMS

Biometrics | Spectroscopy | Microscopy | 3D and Thermographic Digital Imaging | Ultrasonography



BIOMETRIC TESTS

- Hydration and deep hydration (Corneometer and MoistureMeter D)
- Transepidermal water loss (Tewameter and Tewameter-Nano)
- Oilyness (Sebumeter and Sebufix)
- pH (Skin-pHmeter)
- Firmness and elasticity (Cutometer)
- Color, hyperpigmentation, redness, and radiance (Skin-Colorimeter, Mexameter, and CR-400 Colorimeter)
- Shine and matte effect (Glossymeter)
- Temperature and microcirculation (Skin-Thermometer)

SPECTROSCOPIC ANALYSIS

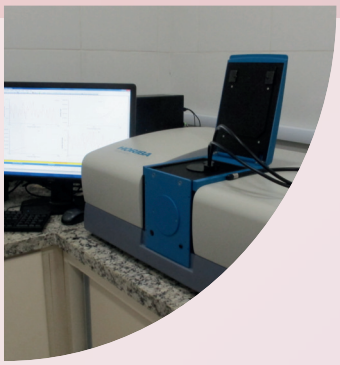
Fluorescence spectroscopy

- Collagen synthesis
- Elastin synthesis
- Cell renewal
- Skin Barrier repair

ATR-FTIR Spectroscopy

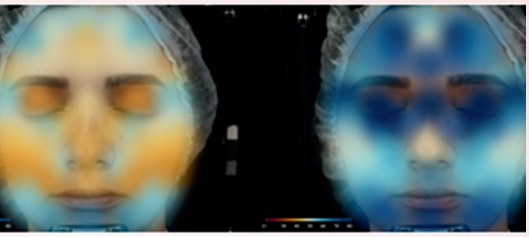
- Skin hydration
- Skin Barrier restoration
- Skin Barrier strengthening



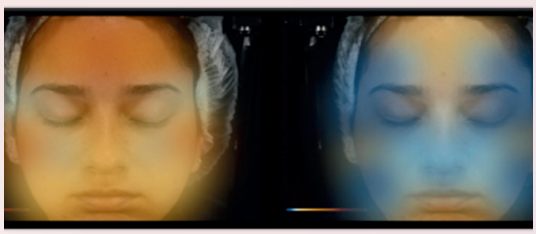


FACIAL MAP

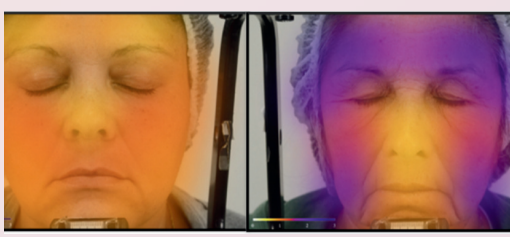
Visual experiences obtained through biometric and spectroscopic techniques



Corneometry hydration map
Yellow: less hydrated / Blue: more hydrated



Oiliness map by sebumetry
Red/Yellow: highest oiliness / Blue: lowest oiliness



Aging map by collagen content
Yellow: more collagen / Purple: less collagen

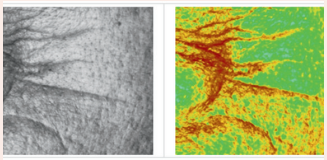
● HYDRATION ● BARRIER FUNCTION ● OILINESS ● ELASTIN CONTENT ● COLLAGEN CONTENT

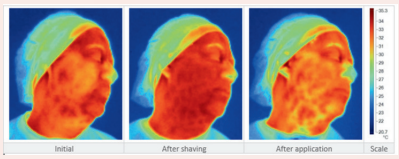
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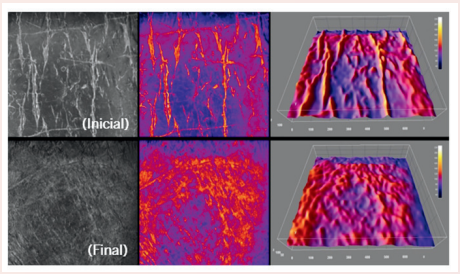
SKIN SCIENCE AND CONSUMER TESTING

IMAGE ANALYSIS









Digital camera | VISIA | Visioscan

Wrinkles (static and dynamic) | Hyperpigmentation | Redness | Pores (intensity and size) | Acne lesions | Dark circles and suborbital puffiness | Texture, dryness, and flaking | Brightness and radiance | Anti-pollution | Exfoliating effect and cell renewal | Cellulite, stretch marks, and scars | Lips: volume, texture, tone, and shine





THERMOGRAPHY

Softening effect | Thermal comfort | Soothing effect | Cooling effect | Microcirculation

3D: PRIMOS and VECTRA

Deep wrinkles | Facial volume and filler | Facial volume replacement (measured in mL) | Contouring and lifting (face and body) | Volume (face and body)

ULTRASONOGRAPHY

Dermal density and thickness by high-frequency ultrasound | Epidermal thickness by ultrasound | Microcirculation and blood flow by Power Doppler

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