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TESTING & beyond

SKIN PIGMENTATION



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Whether you are looking for skin whitening or a pro-pigmenting effect, the 3D skin models from **StratiCELL** reproduce interactions observed in the epidermis and, if necessary, characteristics of pigmentation-related disorders.

PIGMENTED 3D SKIN MODELS



Light to dark skin models with the phototype of your choice



Hyperpigmented age spots skin model



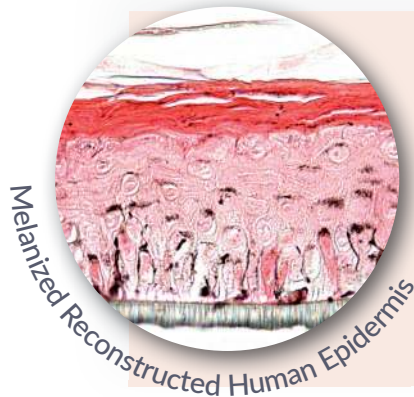
Vitiligo skin model



UV induced pigmentation



Asian, Caucasian and African skin models

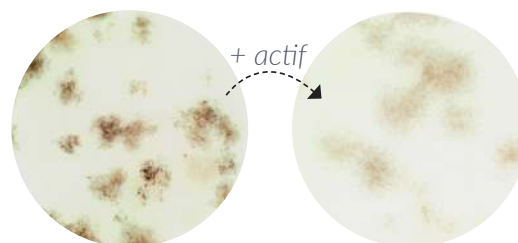
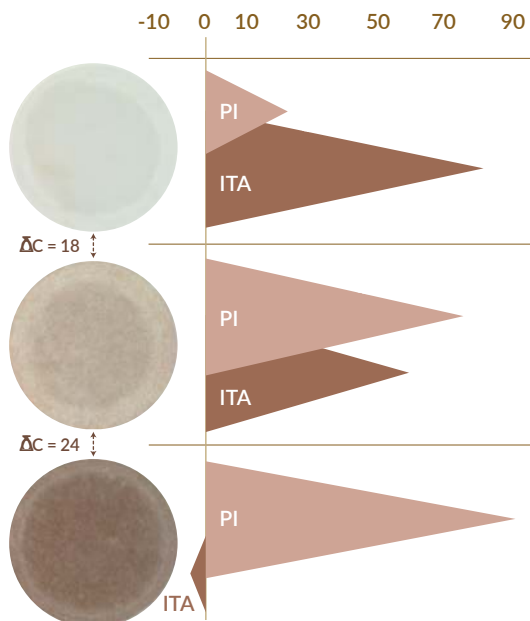


PIGMENTATION ENDPOINTS

- High resolution pictures by *in vitro* dermoscopy
- Total melanin quantification
- Fontana-Masson staining and quantification by image analysis
- Immunolabelling TYR, TRP-1, MART1, Pmel17 and MITF
- Tyrosinase activity *in vitro* and *in tubo*
- Expression signature of up to 96 key pigmentation genes (Taqman Low Density Array)

HIGH RESOLUTION PICTURES BY *IN VITRO* DERMOSCOPY

- Individual Typology Angle (ITA)
- Pigmentation Index (PI)
- Colorimetric Contrast (ΔC)



In vitro reconstructed epidermis with individual hyperpigmented spots, as a model for solar lentigines

Contact us to set up testing strategies according to your specific needs.



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