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3 | The secret to firm glycated skin Focus on an innovative anti-glycation approach

Rouaud-Tinguely P, Boudier D, Rouy M, Quillet M, Bordes S, Closs B. Skin care - H&PC Today - Household and Personal Care Today

ABSTRACT

In the context of an overall anti-glycation concept, SILAB has developed novel study models to studyglycation in vitro and in vivo. These models are based from fibroblasts cultivated in vitro in a lattice ofglycated collagen up to volunteer panellists, with high levels of cutaneous advanced glycation end products (AGEs). The study offibroblasts glycated in vitro showed a disorganisation of the major proteins of the dermis, whether intra- or extracellular. In addition, anovel method for the semi-quantitative measurement of the state of dermal fibres in vivo revealed the deterioration of the dermalmatrix in volunteers with glycated skin. These new models allowed SILAB to measure the effects of its new natural and eco-designedcosmetic active ingredient proposed to the global cosmetic market. This new cosmetic ingredient is rich in sulphated galactans,obtained from the alga Hypnea musciformis, and capable of combating the harmful effects of glycation.