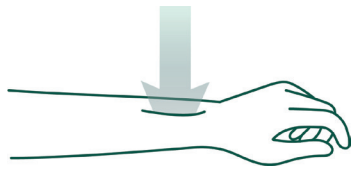
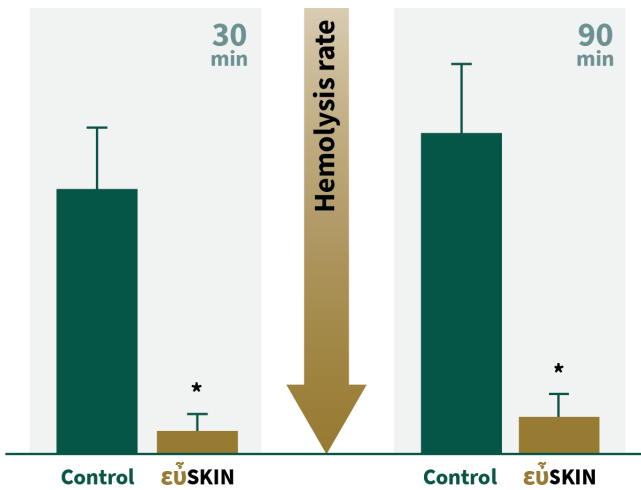


In vitro and ex vivo safety evaluation of ΕΪSKIN® products

In vitro evaluation of ΕΪSKIN® reveals outstanding biocompatibility, with no observed toxicity and no induction of cell death in ex vivo human blood cells and in vitro keratinocyte cell cultures. Moreover, in vitro tumorigenicity assessment demonstrates that it is non-carcinogenic, rendering it safe for dermatological applications.



Hemolysis assay



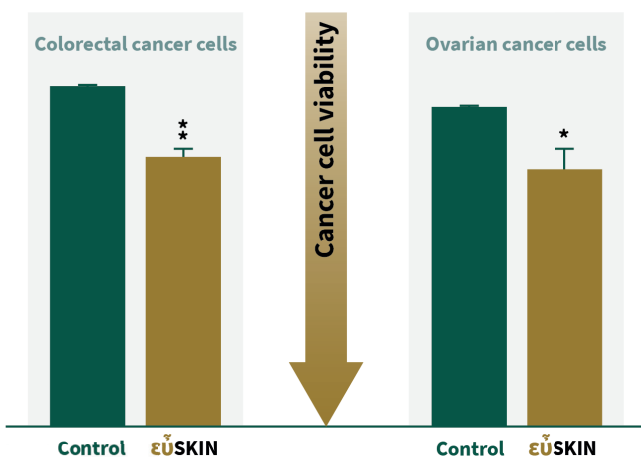
The biocompatibility of ΕΪSKIN® products was assessed through ex vivo human blood haemolysis assays.

The evaluation involved measuring free hemoglobin levels using Hemoglobin Colorimetric Assays in freshly isolated plasma.

This enabled the assessment of red blood cell breakdown and haemoglobin release. Notably, none of our products demonstrated hemolysis when compared to both positive and negative controls, affirming their safety for use.



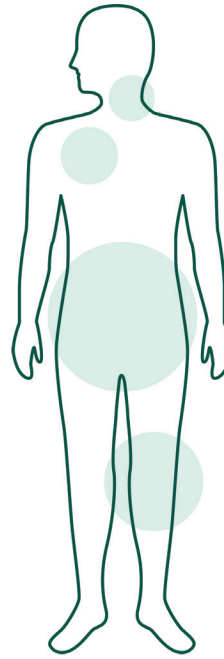
Tumorigenicity






The safety of ΕΪSKIN® and its constituents was evaluated in vitro using the MTT assay on two distinct cancer cell lines: SKOV3 (ovarian cancer cells) and HT-29 (colorectal cancer cells).

The assessment of tumorigenicity unveiled that ΕΪSKIN® exhibits anti-proliferative effects on cancer cells, thereby indicating its safety for use as a dermatological product.

The wound-healing effectiveness of our innovative **ĒŪSKIN®** formulation was rigorously evaluated through a series of comprehensive tests, including *ex vivo* human skin wound models, *in vitro* scratch assays on cultured human keratinocytes and skin penetration testing on human skin biopsies.



-  **Non irritant**
(does not affect cell viability)
-  **Non toxic**
(does not cause cell death)
-  **Safe to use**
(non-tumorigenic)
-  **Skin benefits**
(promotes epidermal restoration)
-  **Tissue regeneration**
(accelerates wound healing)

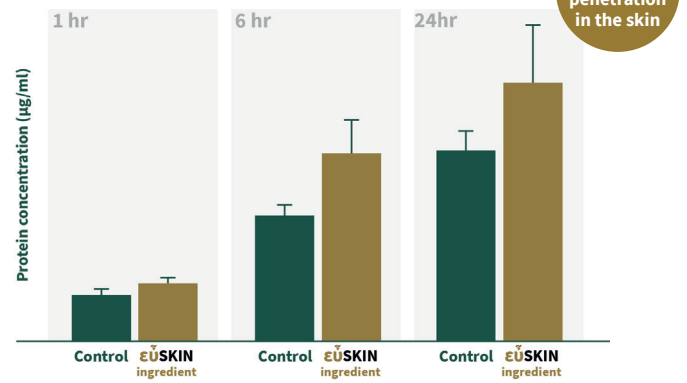


In *ex vivo* experiments on human skin tissues, atelocollagen peptides (one of the **ĒŪSKIN®** active ingredients) exhibited **enhanced permeability** through both layers of the skin (epidermis & dermis), **stimulating production of structural proteins** and positively impacting skin health and function.

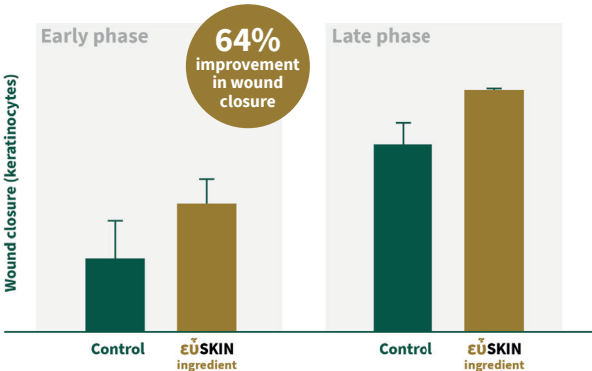
The *in vitro* application of **ĒŪSKIN®** in keratinocytes showcased a remarkable **64% improvement in wound closure rate** (measured at distinct time points), significantly expediting the dynamics of wound healing compared to the controls.

Our investigation into the effect of **ĒŪSKIN®** on *ex vivo* skin biopsies revealed accelerated wound healing compared to control samples, with **3x faster wound healing rates**.

Ex vivo penetration assessment



In vitro scratch assay



Ex vivo wound healing assay

