Chemist's Clinical Ingredient Research

Introducing:

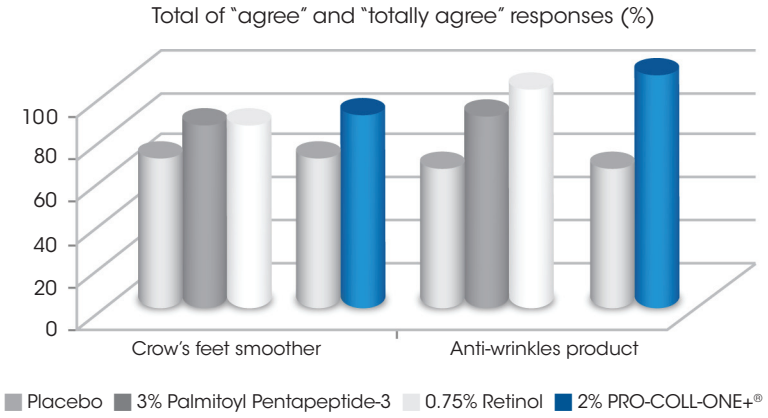
PRO-COLL PEPTIDE + STEM CELL SERUM

FORMULATED WITH PRO-COLL-ONE, A BENCHMARK INGREDIENT

in collagen type I synthesis and Stem Cell Extract for reducing wrinkles and smoothing the skin's surface.

PRO-COLL-ONE+® SUBJECTIVE STUDY IN COMPARISON WITH PALMITOYL PENTAPEPTIDE-3 & .075% RETINOL

After 56 days of twice daily applications, PRO-COLL-ONE= formulated at 2% was generally seen as more effective than the placebo. 78% of the volunteers using PRO-COLL-ONE+ reported that their crow's feet were smoother compared to the placebo group (P=0.0761). Compared to Palmitoyl Penatpeptide-3 formulated at 3% and retinol formulated at 0.075%, and tested in the same conditions, PRO-COLL-ONE+ was judged by the volunteers to be comparable to these two reference molecules. In addition, more than 90% of them considered that the formula containing PRO-COLL-ONE+ is an anti-wrinkles product (P=0.0016).



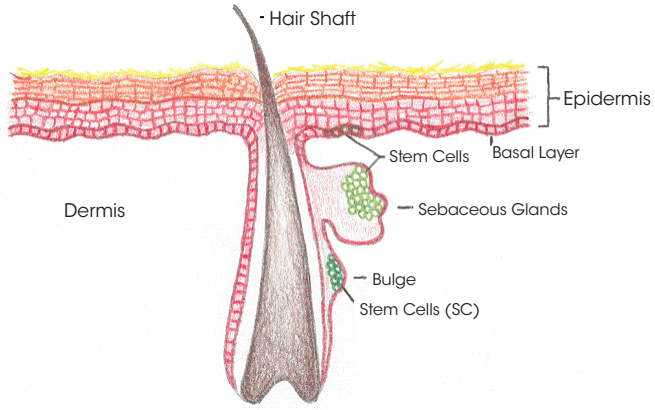
PHYTOCELLTEC™ MALUS DOMESTICA SUBJECTIVE STUDY

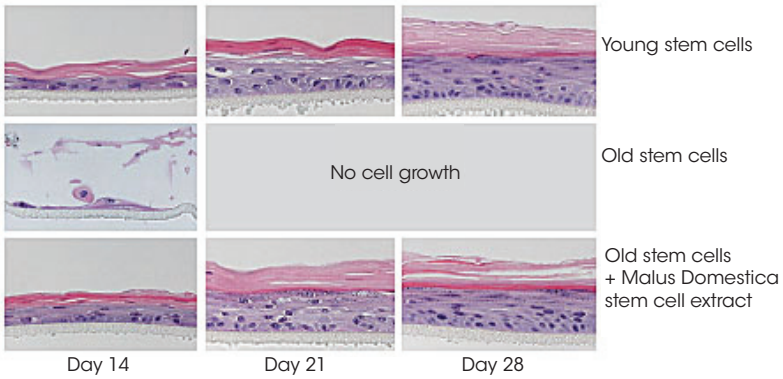
PhytoCellTec™ Malus Domestica is the first plant stem cell active ingredient on the market whose effect was evaluated on human skin stem cells. This unique and revolutionary ingredient is derived from the Uttwiler Spätlauber, an apple variety that is well-known for its excellent storability and thus its longevity potential.

THE CAPACITY TO BUILD NEW TISSUES.

Epidermal stem cells were obtained using the novel Progenitor Cell Targeting. They were then cultured for different numbers of passages with and without 0.01 % Malus Domestica stem cell extract. Afterwards, their capacity to form a stratified epidermis was evaluated.

- From the fresh epidermal stem cells, two kinds of cells were tested:
  - "young" epidermal stem cells obtained from early passage (passage 5)
  - "old" epidermal stem cells obtained from late passage (passage 14)
- The Malus Domestica stem cell extract was added to the culture from early passage. Results showed that:
  - "old" epidermal stem cells lost their capacity to build a 3D epidermis
  - but, if treated with Malus Domestica stem cell extract from their early passage, "old" epidermal stem cells retain their capacity to form a stratified epidermis





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