

Win Time Against Wrinkles!

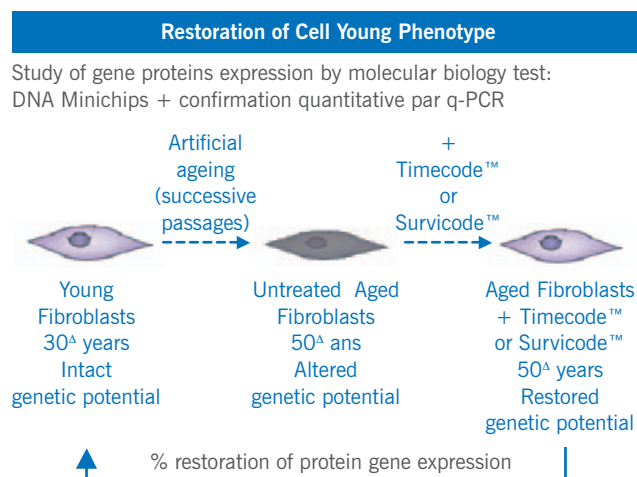
Authors: Nathalie Chevrot, Sandy Dumont, Laetitia Cattuzzato, Yohanna Sander, Seppic, Paris, France

Introduction

We are revolutionising the fight against ageing by developing TimeCode™ and SurviCode™. For the first time, the ageing genetic print is defined and the 'youth capital' code of the cells is decoded.

Three years of research have led us to identify two active ingredients selected from among more than a hundred molecules. Their lipoaminoacid structure, obtained by biovectorisation of an amino acid on a lipid chain, optimises cutaneous bioaffinity for an enhanced efficacy. Specially developed objectification protocols have demonstrated their performance against new causes of ageing (such as 'inflamm-ageing', reduction in stem cell longevity or cellular communication).

Thanks to an original cell ageing model, the genetic mapping of young and artificially-aged fibroblasts has been determined. The age-related expression of key genes has been decrypted. This genetic mapping protocol has enabled the selection of two active ingredients, TimeCode™ and SurviCode™, that give cells a younger phenotype once more.



Δ : Pool – estimated age

Figure 1. New protocol. Measure of TimeCode™ and SurviCode™ induced restoration of gene expression between old fibroblasts and young fibroblasts.

As skin ages, it is subjected to numerous stresses. The previously described protocol demonstrated that several genes

are involved in skin ageing. It results in several physiological changes to the dermis and epidermis (listed in Figure 2).

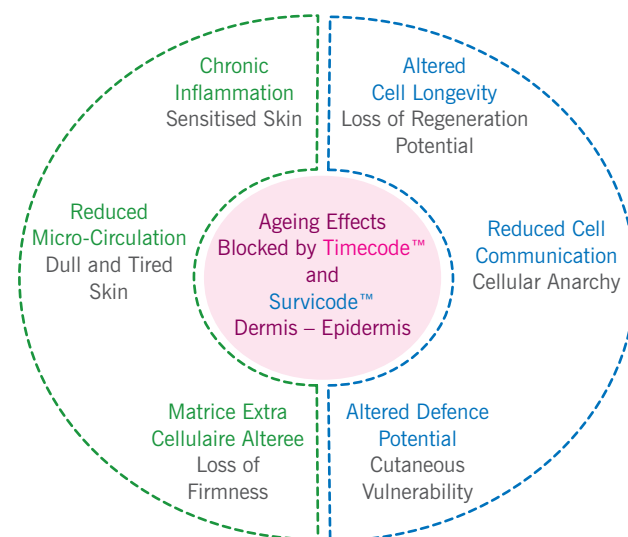


Figure 2. The different effects of ageing combated by TimeCode™ and SurviCode™

The skin is sensitised, dull and less firm. TimeCode™ combats these skin changes. SurviCode™, for its part, prevents a loss of regeneration potential, cell anarchy and skin fragility.

TimeCode™ and SurviCode™ therefore fight against these changes via original and complementary mechanisms of action, in order to restore the skin's youthfulness.

TimeCode™

TimeCode™ explores some recently described causes of ageing and offers cells an unprecedented opportunity to go back in time.

- It combats chronic ageing or 'inflamm-ageing', which sensitises the skin (inflammation code).
- It restores the skin's microcirculation and brings the complexion to a new radiance (microcirculation code).
- It strengthens the structure of the dermis, for a firmer skin (architecture code).

These three actions make it possible to win time against wrinkles.