

# CircadianGen

*Understand how your cosmetic ingredient has an effect on the circadian rhythm genes*



We are driven by different rhythms throughout our life without even noticing it, and the circadian rhythm is one of them. It is internally regulated by the brain, normally works in 24 hour cycles and has a role in mental balance, food intake, cell regeneration, hormone production, and many others. In other words, our well-being and body harmony.

However, these cycles can be disrupted depending on the light/dark exposure.

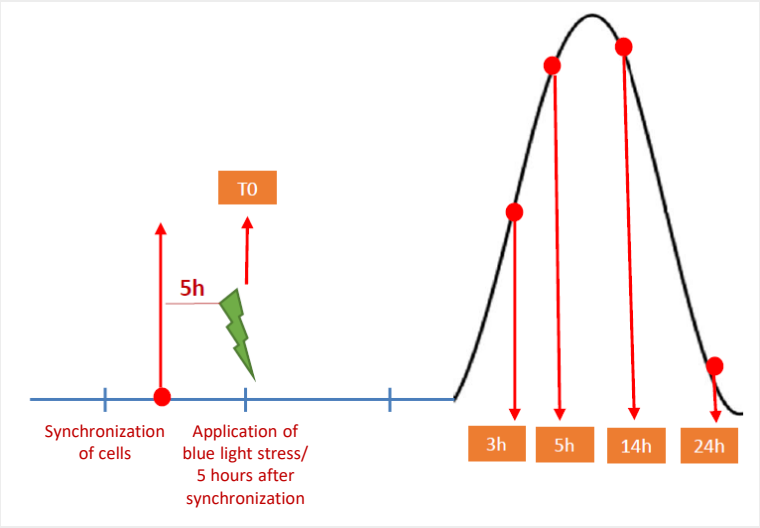
Therefore, **analyzing the effect of your active ingredient on the circadian rhythms** is a key point to understand new biological pathways.

## CircadianGen

is an original method designed to study the relation that your active ingredient has on circadian rhythm genes on skin cells



## CircadianGen Method



- Test the ability of your active ingredient on keratinocytes.
- Active ingredient tested before and after cells synchronization and blue light stress.
- qPCR at different timepoint. We adapt the kinetic studies according to your needs.
- Full data analysis to understand the impact of your active ingredient on circadian rhythm. Presented as curves or histograms, depending on your needs.

## Your Benefits

**Reliable:** optimized process that guarantees fast and strong results.

**Relevant:** From a wide range of techniques, we will precisely assess the effect of your active ingredient.

**Tailored:** adaptable to any type of cells and to different model of skin type.