

CLR Formulation Concepts

HappyBiome Night Care

Skin performs different jobs during day and night. Whereas during day time the skin is more aligned to protect itself from the outside, it is in regeneration modus during night time. This rich night care pampers your senses with its lavender color, calming scent and rich texture. The combination of three highly effective active ingredients supports skin during night for a hydrated, balanced and refreshed appearance in the morning.

G+C Complex CLR™ effectively activates anti-immunosuppressive processes on the cellular level and increases cellular repair mechanisms. **ProRenew Complex CLR™** is beneficial for both the health of skin and the skin microbiota. It balances and protects the skin microbiota and supports it in dealing with day-to-day stress. **AnnonaSense CLR™** makes the skin less sensitive and more balanced.



Directions for use: Take a pea-sized amount and apply on cleansed skin before bedtime.

Featured Products

G+C Complex CLR™ – A postbiotic approach towards photoaging



G+C Complex CLR™ is a biotechnological anti-aging active, obtained from a lysate of probiotic bifidobacteria, which potently protects against UV-induced damage in the skin. UV radiation leads to skin cell damage and immunosuppression, a deactivation of the local immune system in the skin.

By effectively activating anti-immunosuppressive processes on the cellular level, G+C Complex CLR™ increases cellular repair and potently supports the skin's endogenous protection mechanisms. G+C Complex CLR™ thus counteracts premature skin aging, i.e. photoaging.

Dosage: 5.0–10.0%

pH range: 3.8–7.0

INCI Name:
Bifida Ferment Lysate

G+C Complex CLR™
is preserved with phenoxyethanol and sodium benzoate.

ProRenew Complex CLR™ – Postbiotic support for skin and its microbiota



ProRenew Complex CLR™ acts on essential features in the aging process of the skin, its ability to successfully adapt to a constantly changing environment and to effectively renew itself.

ProRenew Complex CLR™ positively influences the speed and quality of epidermal growth. It has shown to effectively promote desquamation, the shedding of dead cells. ProRenew Complex CLR™ is beneficial for both the health of skin and the skin microbiota. It balances and protects the skin microbiota and supports it in dealing with day-to-day stress.

Dosage: 3.0%

pH range: 4.0–7.0

INCI Name:
Lactococcus Ferment Lysate

ProRenew Complex CLR™
is preserved with sodium benzoate.

Also available as

ProRenew Complex CLR™ NP,
stabilized with phenylpropanol and levulinic acid/sodium levulinate.

AnnonaSense CLR™ – Adaptogenic approach for skin health



AnnonaSense CLR™ provides the skin with means to establish a sustainable homeostatic balance, improving skin health and well-being. The potent adaptogenic action of AnnonaSense CLR™ supports the skin's endocannabinoid system by activating the CB2 receptor. Through this action, it reduces inflammatory processes induced by TRPV1. Histamine-, as well as TNFa/Substance P-induced stress is down-regulated and the expression of a vital detrimental receptor in skin, IL-31RA, is decreased. AnnonaSense CLR™ makes the skin less sensitive and more balanced, even itch is perceptibly reduced. Skin appearance is improved and the perception of well-being and quality of life is enhanced.

AnnonaSense CLR™ is obtained from *Annona Cherimola*, common name Cherimoya, an edible fruit originating from South America.

Dosage: 3.0%

pH range: > 5.2

INCI Name:

Annona Cherimola Fruit Extract

AnnonaSense CLR™

is preserved with sodium dehydroacetate and phenylpropanol.

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HappyBiome Night Care WO

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| PHASE | TRADE NAME | INCI NAME | SUPPLIER | W/W % |
|-------|----------------------------------------------------|-----------------------------------------------------------------------|-----------|---------|
| A | PolyAquil VO4 | Polyglyceryl-4 Oleate, Polyglyceryl-6 Oleate, Polyhydroxystearic Acid | innovacos | 5.00 |
| | Myritol 318 MB | Caprylic/Capric Triglyceride | BASF | 10.00 |
| | Eutanol G | Octyldodecanol | BASF | 5.00 |
| | Perfume Oil Black Elderberry Pomegranates N | Fragrance | Duellberg | 0.25 |
| B | Deionized Water | Water | | add 100 |
| | ProRenew Complex CLR™ | Lactococcus Ferment Lysate | CLR | 3.00 |
| | Sodium Chloride | Sodium Chloride | | 1.00 |
| | Hexylene Glycol | Hexylene Glycol | | 1.00 |
| | G+C Complex CLR™ | Bifida Ferment Lysate | CLR | 5.00 |
| | NaOH (32%) | Water, Sodium Hydroxide | | q.s. |
| | AnnonaSense CLR™ | Annona Cherimola Fruit Extract | CLR | 3.00 |
| | Puricolor Red ARE 33 (2%), Blue ABL9-X FDA (1%) | Water, Acid Red 33, Blue 1 Lake | BASF | 0.04 |

Operating Instructions:

Mix A/B separately at room temperature and stir until uniform. Adjust pH value of B to 5.5–6. Slowly add B to A while stirring fast and homogenize for 2–3 minutes.

Directions for use: Take a pea-sized amount and apply on cleansed skin before bedtime.

The recommendations and formulations given are based on our knowledge and experience in the field of technical application. They are, to the best of our belief, correct, but are offered without obligation. Those who use our recommendations and formulations as well as those who process CLR Active Agents are themselves responsible for the adherence to prevailing statutory regulations and the observance of patent rights as well as other protective rights for other companies.

This formula has been manufactured and stability-tested using a special preservative, but has not been subjected to microbiological challenge tests.

CLR

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