

CLR Formulation Concepts

Let's Play Biome Balance Peel-Off Mask

This playful bubblegum-like texture turns into an amazing peel-off mask. It gently removes dead skin cells and impurities and leaves the skin with a soft, cashmere-like feeling and an insta-ready glow. **CutiBiome CLR™** provides a goal-oriented solution for oily and acne-prone skin. It supports skin in regaining the natural balance with its microbiota and perceivably reduces sebum. **ProRenew Complex CLR™** effectively supports and protects the skin microbiota for a healthy even complexion. **AnnonaSense CLR™** provides skin with an innovative adaptogenic approach and promotes homeostasis.

Directions for use: Apply a thin layer to dry skin and leave for about 10–15 minutes (until the mask dries and lifts at the edges). Peel off mask from one side.



Featured Products

CutiBiome CLR™ – Calibrating the skin's ecosystem



CutiBiome CLR™ is a synergistic complex of lipophilic extracts from manuka, black pepper and magnolia. It provides essential support for the natural balance between skin and its microbiota in difficult situations, like acne and dandruff.

CutiBiome CLR™ reduces the film forming activity and significantly inhibits the growth of virulent phylotypes of *Cutibacterium acnes*. *In vitro* and *in vivo* studies show that it strongly reduces inflammation involved in acne and dandruff. On people suffering from acne, the use of CutiBiome CLR™ leads to a dramatic and perceivable reduction of sebum production, comedones, pustules and pimples.

Dosage: 1.5–3.0%
pH range: 4.0–7.0

INCI Name:
Octyldodecanol, Leptospermum Scoparium Branch/Leaf Oil, Piper Nigrum Seed Extract, Magnolia Officinalis Bark Extract

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 TNFα/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 perceivably 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

ProRenew Complex CLR™ – Postbiotic approach to skin renewal



Based on probiotic technology, 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

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PHASE	TRADE NAME	INCI NAME	SUPPLIER	W/W %
A	Deionized Water	Water		ad 100
	Gohsenol EG-40C	Polyvinyl Alcohol	Nippon Gohsei	12.00
B	Aristoflex Silk	Sodium Polyacryloyldimethyl Taurate	Clariant	0.20
C	Ethanol (99.2%)	Alcohol	Merck	15.00
	Propylene Glycol	Propylene Glycol	BASF	2.00
	Glycerin 86%	Glycerin, Water	Gustav Heess	3.00
	CutiBiome CLR™	Octyldodecanol, Leptospermum Scoparium Branch/Leaf Oil, Piper Nigrum Seed Extract, Magnolia Officinalis Bark Extract	CLR	3.00
D	ProRenew Complex CLR™	Lactococcus Ferment Lysate	CLR	3.00
	NaOH (10%)	Water, Sodium Hydroxide		0.21
	AnnonaSense CLR™	Annona Cherimola Fruit Extract	CLR	3.00
	Nipaguard SCE	Sorbitan Caprylate, Propanediol, Benzoic Acid	Clariant	1.00
E	Aromatic White Peach Extract Blend N33008	Available on request	Carrubba	0.15

Operating Instructions:

Add Polyvinyl Alcohol slowly to the water while heating to 70°C and stir. Add B and stir until homogeneous. Add premixed phase C and D one after another with stirring. Adjust pH value to 5.5 if necessary. Add E as desired.

Directions for use:

Apply a thin layer to dry skin and leave for about 10–15 minutes (until the mask dries and lifts at the edges). Peel off mask from one side.

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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