

CLR Formulation Concepts

HappyBiome Day Care OW

This rich day cream is the ideal care for stressed skin. 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™ works in synergy with **CutiBiome CLR™** in re-balancing the skin microbiota. It actively promotes desquamation, the shedding of dead skin cells – an important feature in formulations for acne skin. **MultiMoist CLR™** is a smart moisturizer instantly protecting skin from drying out.

Directions for use:

Apply to the face and gently massage into skin.



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

CutiBiome CLR™ is unpreserved.

MultiMoist CLR™ – Mapping the moisturization puzzle



MultiMoist CLR™ activates production of the vitamin D receptor (VDR) and promotes the VDR's activation. MultiMoist CLR™ also potentiates the effect of vitamin D. As a consequence the skin becomes more moisturized. By making use of 5 different objective instrumental approaches, the immediate and long term moisturizing properties of MultiMoist CLR™ were convincingly proven. Additionally, the activity of MultiMoist CLR™ was proven in a consumer study, where the subjective improvement of skin moisture content, skin smoothness and the look of skin were confirmed.

MultiMoist CLR™ consists of a powerful synergistic blend of fructooligosaccharides and beta vulgaris (beet) root extract.

Dosage: 3.0%

pH range: 3.0–8.0

INCI Name:

Fructooligosaccharides, Beta Vulgaris (Beet) Root Extract, Water

MultiMoist CLR™

is unpreserved.

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.

CLR Formulation

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PHASE	TRADE NAME	INCI NAME	SUPPLIER	W/W %
A	Deionized Water	Water		add 100
B	Eumulgin SG	Sodium Stearoyl Glutamate	BASF	0.50
	Lanette O MB	Cetearyl Alcohol	BASF	1.50
	Cutina GMS-V	Glyceryl Stearate	BASF	2.00
	Cutina HVG	Hydrogenated Vegetable Glycerides	BASF	1.50
	Cetiol CC	Dicaprylyl Carbonate	BASF	6.00
	Myritol 318 MB	Caprylic/Capric Triglyceride	BASF	6.00
	Rheocare XGN	Xanthan Gum	BASF	0.30
	CutiBiome CLR™	Octyldodecanol, Leptospermum Scoparium Branch/Leaf Oil, Piper Nigrum Seed Extract, Magnolia Officinalis Bark Extract	CLR	3.00
C	ProRenew Complex CLR™	Lactococcus Ferment Lysate	CLR	3.00
	MultiMoist CLR™	Fructooligosaccharides, Beta Vulgaris (Beet) Root Extract, Water	CLR	3.00
	Microcare SB	Water, Sodium Benzoate, Potassium Sorbate	THOR	0.80
	Aromatic White Peach Extract Blend N33008	Fragrance	Carruba	0.20
D	Lactic Acid (80%)	Lactic Acid, Water		q.s.
E	Puricolor Orange AOR7 FDA (1%)	Water, Acid Orange 4	BASF	0.15

Operating Instructions:

Mix A and B separately and heat up to 80°C. Add A to B and homogenize for 2 minutes. Cool down under stirring. Add C, in this order, and homogenize again for a short moment. Adjust pH value to 5.5 with D. Add E as desired and stir until uniform.

Directions for use: Apply to face and gently massage into skin.

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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