

CLR Formulation Concepts

Escape the City Night Shot

The Escape the City Night Shot supports skin optimally throughout the night.

CutiGuard CLR™ protects the skin cells from the main three influences on skin aging: external stress, internal stress and time. It reduces wrinkles and improves skin color evenness. **ProRenew Complex CLR™** safeguards the skin's ecosystem and improves overall skin quality and health. **MultiMoist CLR™** compensates for a lack of vitamin D, promotes epidermal differentiation and provides the skin with a healthy level of hydration and smoothness.

Directions for use: Take a few drops and apply on the face before bedtime. Gently massage into the skin.



Featured Products

CutiGuard CLR™ – Your Personal Guard



Based on the extremophile red alga *Galdieria sulphuraria*, CutiGuard CLR™ constitutes a refined approach to the first signs of skin aging. It transfers the adaptivity and resilience of *Galdieria sulphuraria* to a highly effective, natural active ingredient that protects the skin in stressful environments.

Skin aging starts in the skin cells, which, during a lifetime, accumulate damage. Extrinsic and intrinsic factors add damage, leading to prolonged inflammation and cell senescence. CutiGuard CLR™ reduces the number of senescent cells and associated inflammatory and destructive mediators which lead to visible skin aging. It thus protects skin against premature aging. CutiGuard CLR™ also reduces wrinkles and significantly improves skin smoothness as well as the evenness of skin color – three crucial factors for a healthy and young appearance.

With its proactive and preventive approach, CutiGuard CLR™ is extremely suitable for modern aging consumers. It slows down the skin aging process and helps to avoid the development of the first signs of skin aging.

Dosage: 3.0%
pH range: 3.0–9.0

INCI Name:
Betaine, Sucrose, Hydrolyzed Rhodophyceae Extract

CutiGuard 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

Escape the City Night Shot

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PHASE	TRADE NAME	INCI NAME	SUPPLIER	W/W %
A	Deionized Water	Water		ad 100
	Keltrol T Plus	Xanthan Gum	CP Kelco	0.14
B	Zemea	Propanediol	DuPont Tate & Lyle	3.00
	CutiGuard CLR™	Betaine, Sucrose, Hydrolyzed Rhodophyceae Extract	CLR	3.00
	MultiMoist CLR™	Fructooligosaccharides, Beta Vulgaris (Beet) Root Extract, Water	CLR	3.00
	ProRenew Complex CLR™	Lactococcus Ferment Lysate	CLR	3.00
	Euxyl K 712	Sodium Benzoate, Potassium Sorbate, Water	Ashland	0.70
C	NaOH (32%)	Water, Sodium Hydroxide		q.s.
D	Perfume Aloe Flower KWS	Fragrance	Frey+Lau	0.15
	Puricolor Red ARE 33 (2%) / Blue ABL9-X FDA (1%)	Water, Acid Red 33, Blue 1 Lake	BASF	0.01

Operating Instructions:

Mix A and stir until uniform. Add B in this order. Adjust pH value to 5.2–5.5 with C. Add D as desired. Mix until homogeneous.

Directions for use: Take a few drops and apply on the face before bedtime. Gently massage into the 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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