

CLR Formulation Concepts

Biotic Balance Face Serum

This jelly textured formulation which is instantly absorbed by skin leaves a smooth and pleasant feel. Specifically developed for skin which needs support to stay hydrated.

ProRenew Complex CLR™ works from the 'bottom up' and supports the biological mechanisms inside the skin which are responsible for its renewal processes. **Repair Complex CLR™ PF** protects the skin against losing its healthy complexion over time and sun-induced aging. This serum provides skin with a holistic and effective answer to its most important needs in a stressful environment.



Directions for use:

Take a pea-sized drop and gently massage into the skin until absorbed.

Featured Products



ProRenew Complex CLR™ – Probiotic approach to skin aging

Based on probiotic technology, ProRenew Complex CLR™ acts on essential features in the aging process of the skin, its ability to both successfully adapt to its constantly changing environment and 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



Repair Complex CLR™ PF – Probiotic approach toward photoaging

Repair Complex CLR™ PF is a biotechnological anti-aging active, obtained from a lysate of probiotic bifidobacteria, which potently protects against UV-induced damage in the skin.

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

Dosage: 5.0–10.0%
pH range: 3.8–7.0

INCI Name:
Bifida Ferment Lysate



MPC™– Milk Peptide Complex – The regenerative cosmetic active

MPC™ reduces the visible signs of aging by reactivating skin cells and inducing the production of extracellular matrix molecules in the dermis, such as collagen Type I, hyaluronic acid and fibronectin. *In vivo* studies have shown that formulations with MPC™ make the skin firmer and improve its elasticity. MPC™ quickly and effectively reduces wrinkle depth and improves the structure of the skin.

MPC™– Milk Peptide Complex contains a complex of activated natural signaling molecules derived from milk, such as TGF-β.

Dosage: 0.5%
pH range: 6.0–7.0

INCI Name:
Whey Protein

CLR Formulation

Biotic Balance Face Serum

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PHASE	TRADE NAME	INCI NAME	SUPPLIER	W/W %
A	DEIONIZED WATER	WATER		ad 100
	TRISODIUM CITRATE DIHYDRATE	SODIUM CITRATE	MERCK	0.20
	DISSOLVINE GL-38	WATER, TETRASODIUM GLUTAMATE DIACETATE, SODIUM HYDROXIDE	NOURYON	0.10
	A-LEEN 5	PENTYLENE GLYCOL	MINASOLVE	5.00
	GLYCERIN 86%	GLYCERIN, WATER	GUSTAV HEESS	3.00
	MPC™ - MILK PEPTIDE COMPLEX	WHEY PROTEIN	CLR	0.50
B	RHEOCARE XGN	XANTHAN GUM	BASF	0.30
C	REPAIR COMPLEX CLR™ PF	BIFIDA FERMENT LYSATE	CLR	5.00
	PRORENEW COMPLEX CLR™	LACTOCOCCUS FERMENT LYSATE	CLR	3.00
	PHYTOSAN™ K	WATER, GLYCERIN, GLYCINE SOJA (SOYBEAN) SEED EXTRACT	CLR	5.00
D	NAOH (32%)	WATER, SODIUM HYDROXIDE		q.s.
E	TIMICA BRILLIANT WHITE 020C	MICA, TITANIUM DIOXIDE (CI 77891)	BASF	q.s.

Manufacture:

Mix A and stir until completely dispersed. Add B and stir until uniform. Add C in this order. Adjust pH value to 6-7 with D. Add E as desired.

Directions for use:

Take a pea-sized drop and gently massage into the skin until absorbed.

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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