

CLR Formulation Concepts

Probiome Jelly 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.

MultiMoist CLR™ works from the 'top down' enabling the upper layers of skin to hold on to much needed water, for skin to maintain or re-obtain a healthy level of hydration and smoothness.

ProRenew Complex CLR™ NP 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

Repair Complex CLR™ PF – A probiotic approach towards 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. 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, 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

Repair Complex CLR™ PF

is preserved with phenoxyethanol and sodium benzoate.

ProRenew Complex CLR™ – Effective care for healthy scalp



ProRenew Complex CLR™ is a postbiotic ingredient based on *Lactococcus lactis*. Elaborate studies have shown that it has important benefits for both the health of the skin and the skin microbiome. Skin becomes less sensitive and more robust and the skin microbiome is supported strongly.

ProRenew Complex CLR™, even as part of shampoos, improves the condition of the scalp and makes it less oily. It additionally leads to perceivable reduction of the sensitivity of the scalp, makes scalp tangibly healthier and reduces attributes related to dryness of the scalp. ProRenew Complex CLR™ provides important support for the skin and the scalp, even from rinse-off formulations.

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.

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.

CLR Formulation

Probiome Jelly Serum

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PHASE	TRADE NAME	INCI NAME	SUPPLIER	W/W %
A	Deionized Water	Water		ad 100
B	Amaze XT	Dehydroxanthan Gum	Nouryon	0.75
C	Verstatil BOB	Benzyl Alcohol, Caprylyl Glycol, Benzoic Acid	Evonik	1.00
	Repair Complex CLR™ PF	Bifida Ferment Lysate	CLR	5.00
	ProRenew Complex CLR™	Lactococcus Ferment Lysate	CLR	3.00
	MultiMoist CLR™	Fructooligosaccharides, Beta Vulgaris (Beet) Root Extract, Water	CLR	3.00
D	NAOH (32%)	Water, Sodium Hydroxide		q.s.
E	Syncrystal Fire-Red	Synthetic Fluorphlogopite, Iron Oxides (CI 77491)	Eckart	q.s.

Manufacture:

Add B to A and stir until completely dispersed or homogenize with Ultra Turrax until uniform. Add C in the given order and adjust pH value to 5 with D. Stir until homogeneous. 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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