

## 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™** works from the 'bottom up' and supports the biological mechanisms inside the skin which are responsible for its renewal processes. **Bifidus Extract CL PK** 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

### Bifidus Extract CL PK – Probiotic approach toward photoaging



Bifidus Extract CL PK 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, Bifidus Extract CL PK increases cellular repair and potently supports the skin's endogenous protection mechanisms. Bifidus Extract CL PK thus counteracts premature skin aging, i.e. photoaging.

**Dosage:** 5.0–10.0%

**pH range:** 3.8–7.0

**INCI Name:**

Bifida Ferment Lysate

### 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 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

## 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

### 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
	BIFIDUS EXTRACT CL PK	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	0.01

#### 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 homogenous. 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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