



LiveLin<sup>®</sup>

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LONGLIFE

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made by nature



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## WHAT PREVENTS LASTING HEALTH?

There are thousands of different chemical reactions taking place in the human body at any given time. These reactions are conditioned, among other things, by the presence of molecules of organic substances that our organism cannot produce itself, but which he has to receive "from the outside".

One of the reasons for the numerous so-called diseases of civilisation is the exclusive intake of industrially processed food. From these "artificial" foods, many vital components have been irreversibly removed.

However, without natural substances derived from bacteria, fungi, yeasts and other living organisms, many complex processes in our bodies do not take place at all.

*"LiveLin is a complex of exclusively natural substances composed by a noble yeast."*

Produced at the Institute of Microbiology  
of the Academy of Sciences of the Czech Republic.

## THE SECRET OF LIVELINE

The most precious things that only nature can prepare are concentrated in LiveLin. LiveLin is a product of advanced biotechnology.

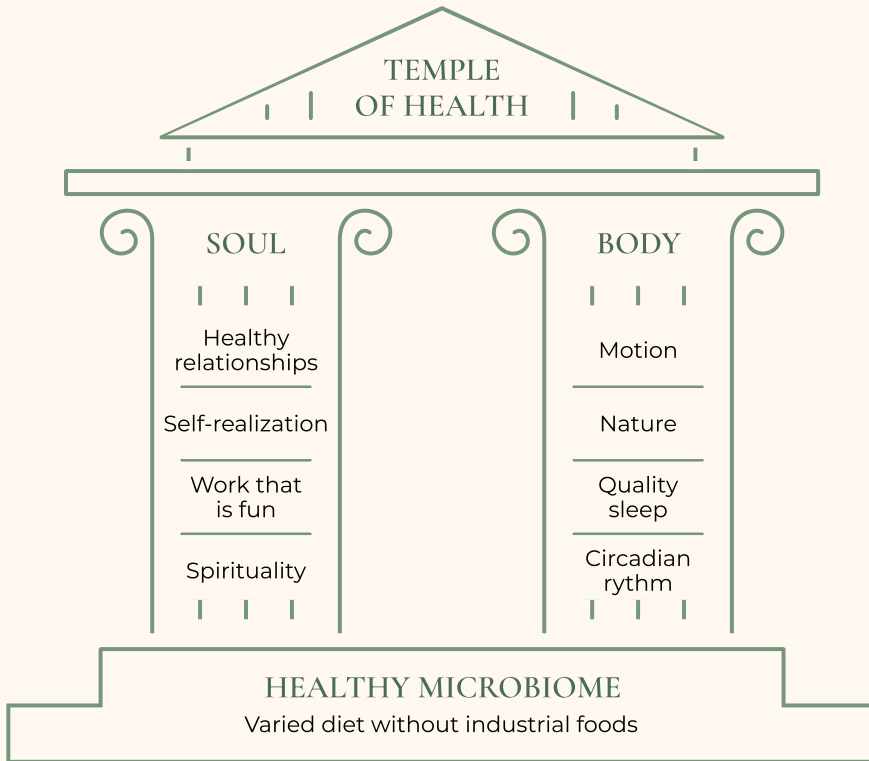
Enzymes, hormones and vitamins are very complex organic molecules. They usually exist in different forms, which we call isomers.

Isomers of the same substance are very similar. They have the same number of atoms, the same number of bonds and the same mass. Only the spatial arrangement is slightly different. But this is what plays a major role in the effectiveness of many substances.

Synthetically prepared or chemically isolated forms often fail to keep pace with nature.

**Only through natural processes are effective forms of complex organic molecules formed. Nature, unlike man, has no reason to waste energy on the production of non-functional variants.**

OVERALL HEALTH IS LIKE A TEMPLE AND  
A HEALTHY MICROBIOME IS ITS FOUNDATION.



# LIVELIN IS NOT A PILL, LIVELIN IS A LIFESTYLE

The most precious thing we have is our health.

If you are looking for a miracle cure for eternal life, you are likely to be disappointed. Strong health and longevity must be constantly striven for.

A healthy microbiome is a fundamental condition for achieving this goal.

Perhaps the greatest enemy of the human microbiome is industrially processed food, from which many nutrients essential for health have disappeared. The sterilised food chain is forced to use various chemical additives and preservatives whose sole purpose is to kill all life.

**Let's do something essential for your health today. Let's support our healthy microbiome. Let's stop eating sterile, purely industrial food, eat fibre and replenish all the necessary substances in a natural way, e.g. with LiveLin. Only on a healthy foundation can a healthy body and a balanced mind thrive permanently.**

## WHY TAKE LIVELIN?



### STRONG IMMUNITY

disease prevention and protection



### ENERGY AND LONGEVITY

thanks to coenzyme Q10 and NAD+



### PROTECTION AGAINST FREE RADICAL ATTACKS

reducing the risk of civilisation diseases



### HEALTHY MICROBIOME

for strong physical and mental health



40+



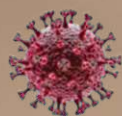
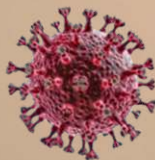
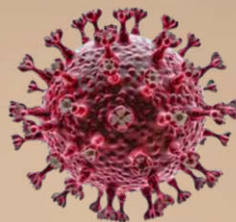
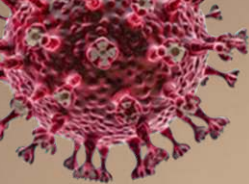
PEOPLE WITH DEMANDING JOBS



STUDENTS



ATHLETES



## STRONG IMMUNITY

**LiveLin contains the most powerful known immunostimulants.**

When the U.S. Department of Defense evaluated more than 300 potential immunity boosters, **yeast beta-glucans** had the highest score of all.

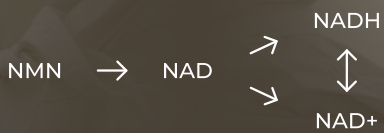
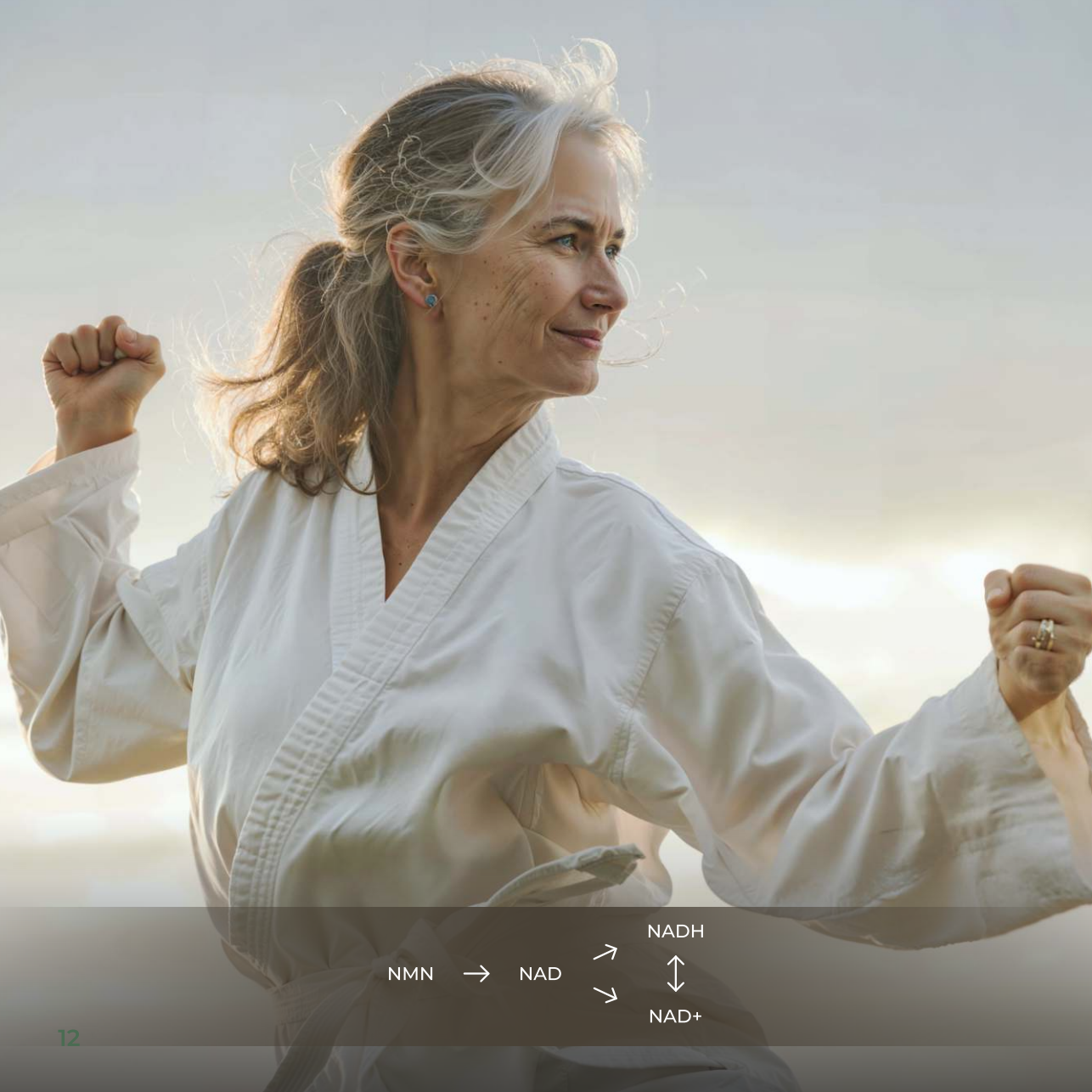
**The ability of betaglucans to activate lymphocytes has been tested in more than 800 studies and betaglucans have been shown to protect the body against otherwise fatal infections.**

As part of a robust research program, the U.S. Army's Radiobiology Institute has come up with a finding, published in 2004, which includes the claim that betaglucans are not only able to protect against infection caused by bacteria, viruses and fungi, but also provide protection against radiation damage.

Studies have shown accelerated recovery of white blood cell counts due to the administration of betaglucans, making radiotherapy safer.

**LiveLin, thanks to its high content of beta-glucans, carotenoids, coenzyme Q10, vitamins C, B, and D, significantly strengthens the body's immunity and has prebiotic effects.**

<sup>11</sup> Dr. Paul Clayton PhD. - Your immune system (2020)



## ENERGY AND LONGEVITY

What **photosynthesis** is to a plant, **cellular respiration** is to an animal cell. Through this process, the animal cell generates heat and energy.

The essential components of the cellular respiration process are: **oxygen, water, glucose, coenzyme Q10 and NAD+**.

If any of these components were missing, the animal cell would die within minutes.

Many scientific studies have shown that most cardiovascular problems are related to a deficiency of coenzyme **Q10**, which is known as the **coenzyme of youth**.

With advancing age, the body loses the ability to produce sufficient amounts of coenzyme **Q10 and NAD+**. In the absence of these essential substances, the cells cannot work as they should, energy is lacking and the organism ages.

NAD+ is gaining popularity and many Hollywood celebrities have latched onto it as one of the most effective means of slowing aging.

**Regular use of LiveLin helps maintain optimal levels of coenzyme Q10 and NAD+ in the body.**



## HEALTHY MICROBIOM

There are 3 forms of living matter: plant, animal and microbial. Each of them is unique and can often do what the other two forms cannot.

The rice genome contains about 40,000 genes. The human genome contains less than 23,000 genes. The genetic information of a grain of rice is therefore almost twice as extensive as that of a human being. Yet the human organism, unlike rice, can produce such rich complexes as hormones, vitamins, enzymes, proteins, amino acids, and other complicated substances.

This is because the human organism does not make many of these complex components on its own. Its army of microorganisms helps with the process.

Viruses, bacteria, some fungi and even moulds make up what is known collectively as the **microbiome**. In order for a healthy microbiome to fulfil its essential role, it must be fed regularly. This **food, which is essential for the microbiome, is called a prebiotic**.

LiveLin (yeast biomass) containing "food" for the microbiome (beta-glucans, essential amino acids, yeast cell walls...) **is a new generation prebiotic**.



# FREE RADICALS

Free radicals are reactive particles produced as a by-product of metabolism directly in our body. They are often at the root of many serious diseases including cancer, cardiovascular, pulmonary and immune diseases. In addition, they are involved in accelerating the aging of the body.

## FREE RADICALS ARE PRODUCED DIRECTLY IN THE BODY IN BASICALLY TWO WAYS:

**The respiratory chain** is the most important producer of the most dangerous free radical, the hydroxyl group OH<sup>-</sup>.

**Neutrophils and macrophages** destroy the invaders with peroxide, which breaks down into free radicals once it has completed its task.

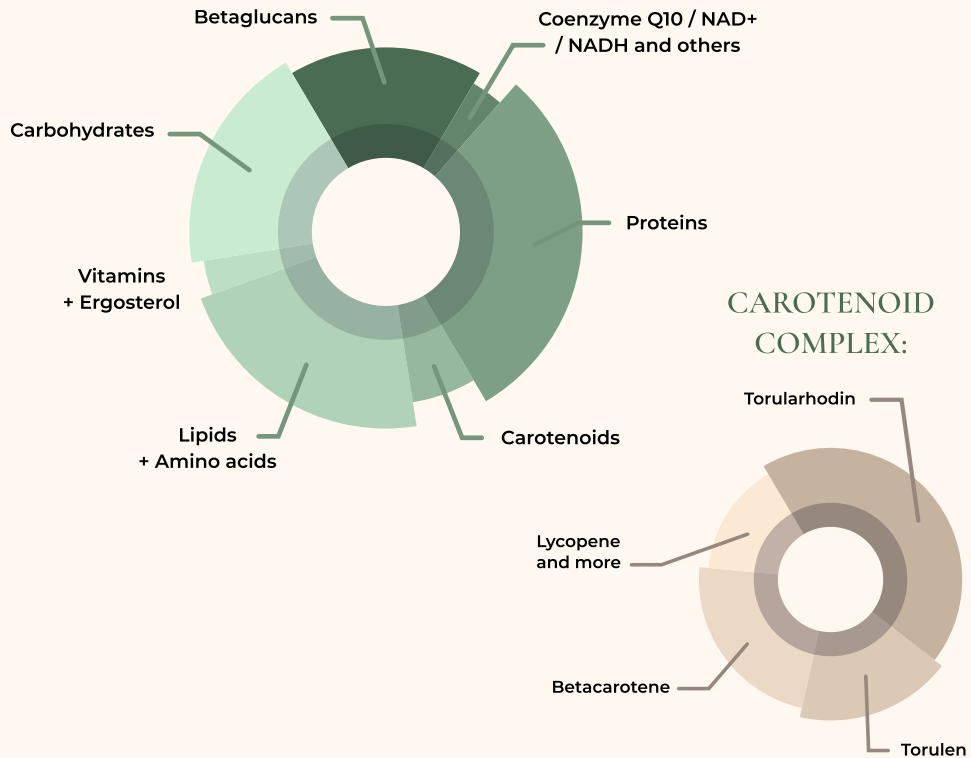
**We are constantly exposed to different types of free radicals from the environment.**

**Coenzyme Q10** is the single most important free radical scavenger that can fight even inside mitochondrial cells.

**Carotenoids are also one of the most powerful antioxidants** - we do not mean just cheap beta-carotene, but a naturally balanced complex of the most effective carotenoids - lycopene, torulene, torularhodin, beta-carotene and others, **which LiveLin contains.**

# COMPOSITION OF LIVELINE

A harmonious complex of valuable substances tuned by nature



LiveLin is made exclusively by natural processes and therefore the proportions of the individual ingredients may vary slightly.

## WHAT IS A VITAMIN?

Although the word vitamin is mentioned in every guidebook on healthy nutrition, the definition of this term is surprisingly not entirely clear.

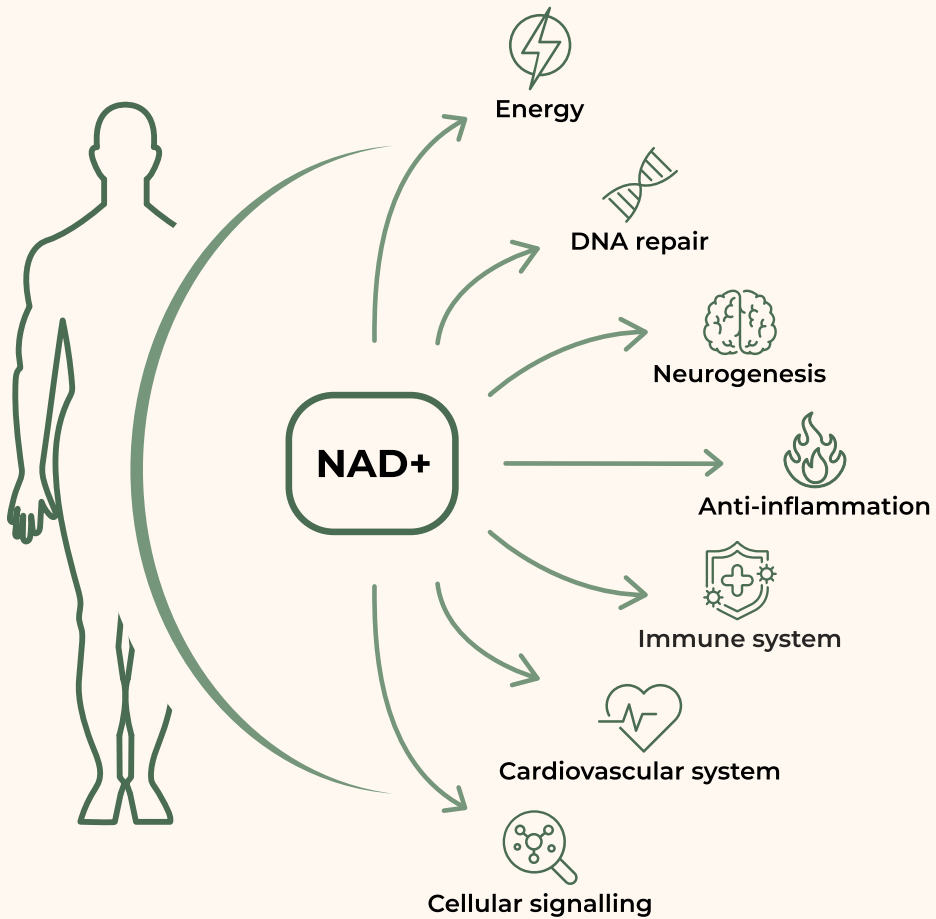
Vitamins are nutritional components that our bodies absolutely need but cannot synthesize on their own. At the same time, however, it must be added that vitamins are not proteins, fats, amino acids or minerals, yet our body cannot do without them.

**Vitamins affect the body's metabolism and immunity, and a deficiency can lead to a number of serious health problems. It is therefore important to ensure a sufficient but natural and balanced supply.**

The list of all the positive benefits of vitamins is long and well known. However, it is not that easy to find out which of all these important vitamins your body is missing.

The best way to supply your body with most of the vitamins it needs is to trust in Mother Nature's abilities and take the cocktail she has mixed herself. Only in this way can we be sure that the different vitamins are represented in the right amounts and in the right proportions.

**Unlike randomly mixed multivitamin supplements, LiveLin contains only highly absorbable vitamins in natural form: C, B1, B2, B3, B7, B9, E and provitamin D.**



## NAD<sup>+</sup> AGAINST AGING

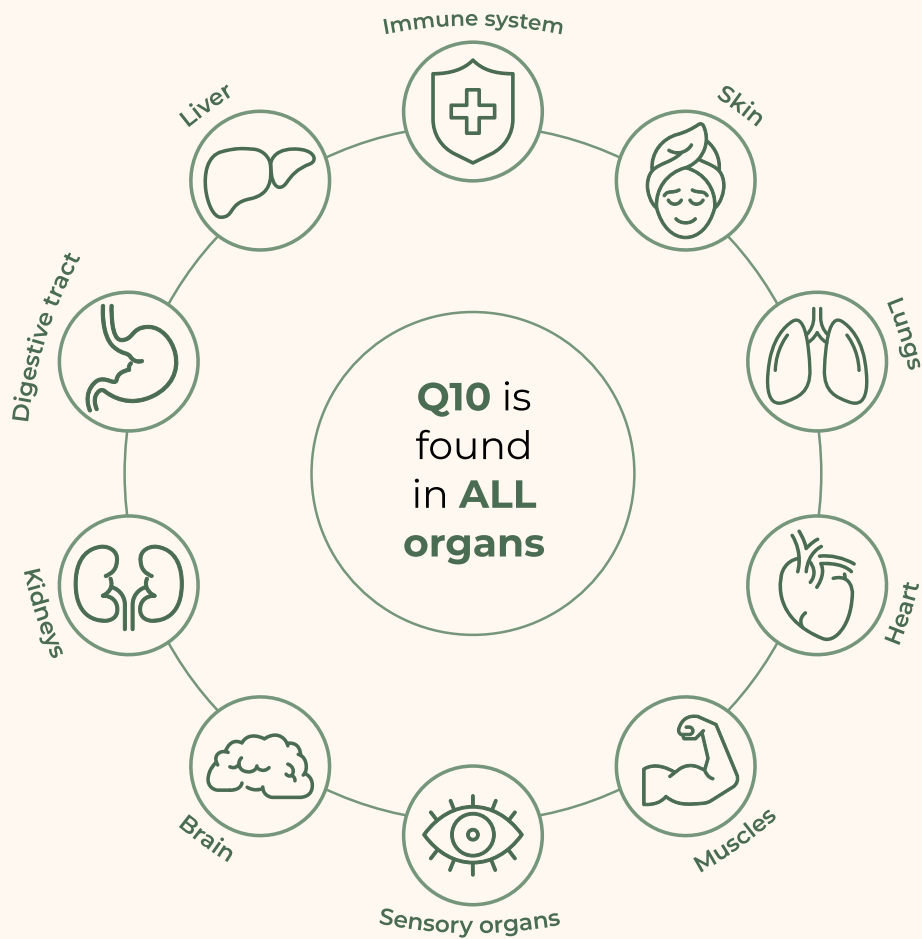
**NAD<sup>+</sup>, NADH and NMN** are molecules that play a key role in cellular and energy metabolism in animals and are found in all living cells.

A fundamental property of every animal cell is aging. We begin the aging process at birth. Through necessary metabolic reactions and cellular respiration, small errors occur that accumulate over time and lead to the gradual degeneration of cells.

However, the maintenance of biochemical reactions in the body is not the only reason for the gradual loss of energy and aging of cells. The body's declining ability to generate substances that cells cannot do without also plays a key role.

Overall, these molecules are crucial for maintaining energy balance and cell health. Decreases in NAD<sup>+</sup> levels in the body have been linked to the aging process and certain diseases. This is why NAD<sup>+</sup> is the focus of research on aging and cell regeneration.

**LiveLin contains optimal amounts of natural NAD<sup>+</sup> and its precursor NMN for long-term use with visible effects.**



## COENZYME Q10 FOR ENERGY

Coenzyme Q10 is responsible for the proper function of every cell. It is involved in the process of cellular respiration and helps the body transform nutrients into energy. With advancing age or with great exertion, it becomes deficient, which often leads to feelings of fatigue and other, often more serious problems.

Surprising facts about the effects of Q10 on the heart, demonstrated by Q-Symbio research. 420 patients from 9 countries suffering from severe heart failure took part in the test. The patients were divided into two groups, with the first taking Q10 daily and the second given a placebo.

The first group had 43% lower mortality related to circulatory diseases, in contrast to the second group.

Coenzyme Q10 reduces the occurrence of diseases caused by poor heart function by up to 50%. It protects the body against high blood pressure, coronary heart disease and stroke. It also improves aerobic capacity and therefore effectively reduces mental and physical exhaustion.

The coenzyme Q10 in LiveLin was created through a fermentation process.

As we age, the amount of coenzyme Q10 in the human body decreases and LiveLin supplements it appropriately.

# MINERALS

Minerals are essential for the healthy functioning of the body. However, a large percentage of the population is deficient and needs to supplement them.

**Food supplements with minerals and trace elements in the so-called chelated form are considered to be the most effective. This form has the highest absorption and bioavailability.**

Chelated compounds are more soluble in all body fluids, which facilitates their transport and absorption in the organism.

Yeast, like other living organisms, stores only as much mineral matter as it can consume. There is therefore no risk of overdose.

**LiveLin (yeast biomass) contains chelated forms of Fe, Zn, Se, Cu, Ca, K, Mg and some other elements.**

# AMINO ACIDS

**Amino acids are the basic building blocks of all proteins.**

Just as in a bird's egg, where everything is arranged so that the yolk and white can develop into a living creature, so in aerobic yeast, all essential and non-essential amino acids and other substances necessary for the construction of an animal cell are present.

The body makes all hormones and enzymes from amino acids, such as insulin or thyroxine. Amino acids play a key role in the organism's immune responses, as antibodies that help fight infections are made from amino acids.

**Essential amino acids** are those that the body cannot make on its own and must obtain from food. These are:

**Methionine, Valine, Lysine, Isoleucine, Phenylalanine, Leucine, Threonine, Histidine and Tryptophan.**

The human body can make **non-essential amino acids** on its own, but not always in sufficient quantities. These are:

**Arginine, Cysteine, Glutamine, Tyrosine, Glycine, Proline and Serine.**

**LiveLin produced by fermentation of noble yeast contains all essential and non-essential amino acids.**





# LiveLin<sup>®</sup>

## LOGLIFE

A HARMONIOUS COMPLEX  
OF IRREPLACEABLE  
SUBSTANCES FOR LASTING  
HEALTH AND LONG LIFE

- 1-2 capsules per day | 90 capsules | 90-day cure
- Alpha and beta-glucans - the most powerful immunostimulants
- Carotenoids (torulene, torularhodin, lycopene) - effective antioxidants
- Coenzyme Q10 - for energy and vitality
- NAD<sup>+</sup> / NADH - prevention of aging
- Essential acids and Omega 3 - for healthy nerves and heart
- Vitamins B1, B2, B3, B9, D, C, minerals and trace elements  
- optimal metabolism

Produced at the Institute of Microbiology  
of the Academy of Sciences of the Czech Republic.



# LiveLin<sup>®</sup>

## PROESTROGEN

THE ONLY ANIMAL  
SOURCE OF ESTROGENS  
WITHOUT SIDE EFFECTS

630 g | 21 days

- Extract of drone larvae in honey emulsion.
- LiveLin, the source of the most powerful immunostimulants.
- A comprehensive and balanced source of natural hormones.
- Support of the female endocrine system.
- Serotonin and melatonin production, hormonal balance.
- Main active ingredients: essential acids, carotenoids, coenzyme Q10, NAD<sup>+</sup>/NADH, vitamins B, D, minerals and trace elements.

Produced at the Institute of Microbiology  
of the Academy of Sciences of the Czech Republic.



# LiveLin<sup>®</sup>

## PROTESTOSTERON

THE ONLY ANIMAL  
TESTOSTERONE  
ON THE MARKET  
WITHOUT SIDE EFFECTS

630 g | 21 days

- Extract of drone larvae in honey emulsion.
- LiveLin, the source of the most powerful immunostimulants.
- A comprehensive and balanced source of natural hormones.
- Support the male endocrine system.
- Serotonin and melatonin production, hormonal balance.
- Main active ingredients: essential acids, carotenoids, coenzyme Q10, NAD<sup>+</sup>/NADH, vitamins B, D, minerals and trace elements.

Produced at the Institute of Microbiology  
of the Academy of Sciences of the Czech Republic.

## ABOUT US

Algae Farm s.r.o., based in Příbram, specializes in the development of advanced production processes and products in the food and feed industry, as well as the pharmaceutical and cosmetic industry.

With the help of cutting-edge technologies and in close cooperation with scientific institutions, we strive for innovative solutions.

The production of the key product and the development of new technological processes are carried out at the Institute of **Microbiology of the Academy of Sciences of the Czech Republic in Třeboň**.

**Our product LiveLin is the result of many years of work at Brno University of Technology. The Director of the Institute of Food Chemistry and Biotechnology, Prof. RNDr. Ivana Márová CSc. and her team deserve a big thank you.**

**Algae Farm s.r.o. is a member of the Czech Microbiome Society ČLS J.E.P.**

We are proud to have the opportunity to innovate and deliver products that not only meet, but often exceed our clients' expectations.





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