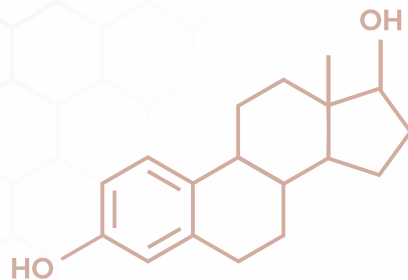


# LiveLin<sup>®</sup>

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PROESTROGEN

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made by nature



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## THE MIRACLES OF HONEY

Honey and other bee products, i.e. pollen, bee bread, propolis, royal jelly, bee venom, drone milk and wax, have been valued for their effects on the human body since ancient times.

Finds of ancient honey in Cairo prove that honey was highly valued in ancient Egypt for its medicinal properties and became part of religious ceremonies.

Fascinatingly, honey found in Egyptian tombs was still edible after thousands of years, thanks to its antibacterial properties.

Honey is the only non-sterilised food with an unlimited shelf life.

Honey is also an ideal medium for preserving medicinal substances that are subject to rapid degradation. An example is the so-called 'drone milk', which must be processed and protected against deterioration within a few minutes, whereas with honey its effects are not lost even after many years.



## A LITTLE ABOUT BEES, DRONES AND THEIR QUEEN

We call a bee community a colony, which is made up of bees, drones and one queen bee. Worker bees only ever nurture one queen. If she does not do her job properly, they eliminate her.

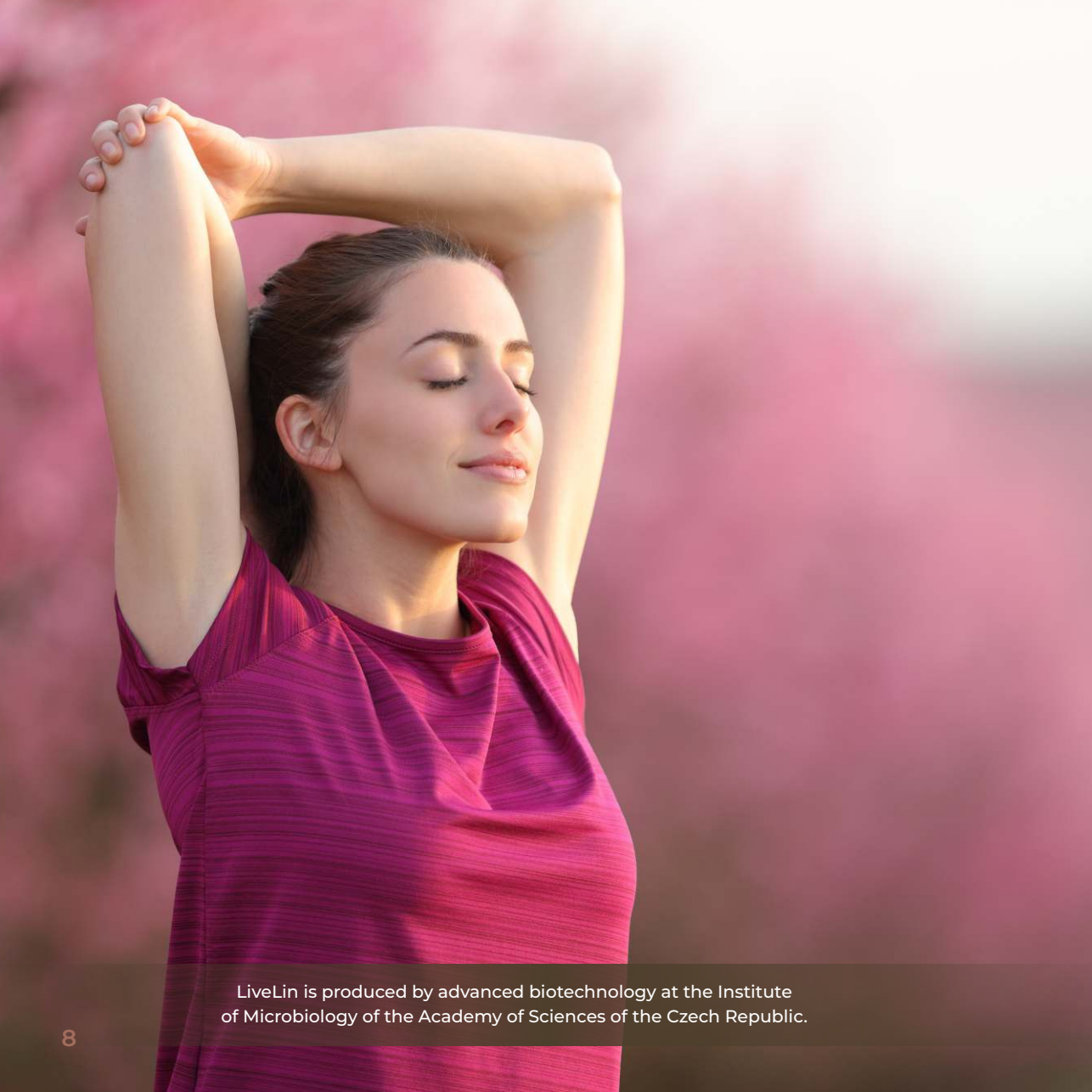
Within the bee community, the drone occupies a special position.

While the queen has a life span of 3 to 5 years, the drone lives only 14 days – that is if he fails to connect with the queen. However, if he fulfills his only task and purpose for being, he can die immediately. Isn't that poetic?

The drone doesn't have pollen sacs because it doesn't collect anything, it doesn't have a wax gland because it doesn't build anything, and it doesn't have a sting because it doesn't defend anyone. The essence of the drone's existence is therefore only one thing, and that is to impregnate the queen. He thinks of nothing else, wants nothing else, and is not fitted for anything else. If he manages to get to the queen, he mates with her to the point of exhaustion.

The queen inseminates with many drones who pursue her headlong as she flies out of the hive to mate. She is fertilized multiple times in a single trip, gaining a supply of sperm for up to 2 years, and is then ready to lay 2,000 fertilized eggs a day.

The drone is a reservoir of semen and desire. Even in the larval stage of its life, it is literally loaded with sex hormones. **However, the power of drone larvae extract lies not only in its hormone content, but above all in its ability to activate one's own production of natural steroids.**



LiveLin is produced by advanced biotechnology at the Institute of Microbiology of the Academy of Sciences of the Czech Republic.



# WHAT IS LIVELIN PROESTROGEN

LiveLin ProEstrogen is a mixture of LiveLin and Drone milk dissolved in honey. Honey is used as a carrier and to protect the precious substances from degradation.

LiveLin ProEstrogen = LiveLin + Drone milk + Honey

**LiveLin** is a micronized biomass extract created by a noble yeast. It contains the most powerful immunostimulants, antioxidants, NMN, NAD+, coenzyme Q10, all irreplaceable amino acids and other substances (more information at [www.livelin.cz](http://www.livelin.cz)).

## BASIC BENEFITS OF LIVELIN:

- Protection of the body against diseases, often even the most serious ones (yeast beta-glucans are considered the most powerful immunostimulants ever).
- Support of the cardiovascular system (up to 60% of cardiovascular problems are caused by coenzyme Q10 deficiency).
- NMN, NADH and coenzyme Q10 support performance and energy (without these substances, cellular respiration cannot take place).
- Support of the metabolism of nutrients into energy (vitamins C, B1, B2, B3, B7, B9 and provitamin D).
- The microbial, i.e. all-natural origin of all vitamins guarantees their usability.

## DRONE MILK

Apitherapy, or treatment based on bee products, has been brought to the level of pharmacy in many countries. One of the many products used in apitherapy is the so-called drone milk, also known as drone brood homogenate. Although its very specific effects have been known since ancient times, its use is not common in most countries due to the difficult processing.

The use of drone milk to treat infertility and promote vitality in both men and women dates back to ancient China, as evidenced by the archaeological discovery of a recipe for its production carved into a bamboo in Huan province from as early as BC.

Drone milk is retrieved from the drone larvae taken from the honeycomb on the 7th - 14th day of their life. It is on this day that the concentration of sex hormones (testosterone, progesterone and estradiol) and other valuable substances is at its highest. However, if the therapeutic properties are to be preserved, the fresh extract must be stabilised within a few minutes.

It is the difficulty of collection and precise processing that makes drone milk a very rare raw material.

Since time immemorial, there have been discussions about the most effective and long-term preservation of all the therapeutic properties of drone brood homogenate, and companies have been protecting their know-how acquired over the years.

## WHO IS LIVELIN PROESTROGEN FOR?

Drone milk can have significant therapeutic effects not only in women, but also in men. Research has long indicated that the ratio of female to male hormones changes substantially depending on the age of the drone larva.

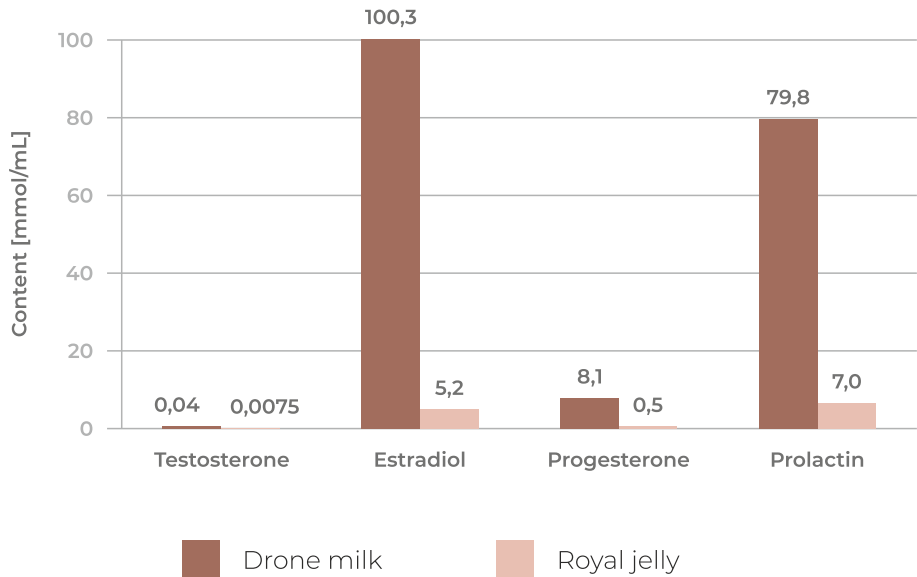
Larvae collected at an early stage have a multiply higher content of female than male hormones. Earlier harvesting therefore leads to an extract suitable primarily for females.

This fact is usually neglected by manufacturers, as taking it into account markedly complicates the already complex collection process. Algae Farm is one of the few companies in the world that has the process of differentiating between drone milk for women and men under control.

**For women, LiveLin ProEstrogen** contains an extract from larvae collected on days 7-11 of development. It is at this time that the female hormones, estrogen and estradiol, strongly predominate.

**LiveLin ProTestosterone is designed primarily for men.** It contains an extract of drone larvae collected on days 11-14 of their development. This is when the content of testosterone and substances supporting the production of testosterone in the male body is the highest.

# THE PROPORTION OF HORMONES IN DRONE BROOD EXTRACT ON THE SEVENTH DAY OF COLLECTION



DRONE MILK CONTAINS SIGNIFICANTLY  
MORE HORMONES THAN ROYAL JELLY.

## THE ROLE OF HORMONES IN THE FEMALE BODY

Hormones control processes throughout the body and directly affect basic metabolic reactions. It is therefore very important that they are present in the body in sufficient quantities and in the correct proportions.

In women, the main sex hormones are progesterone, estrogen, prolactin and testosterone.

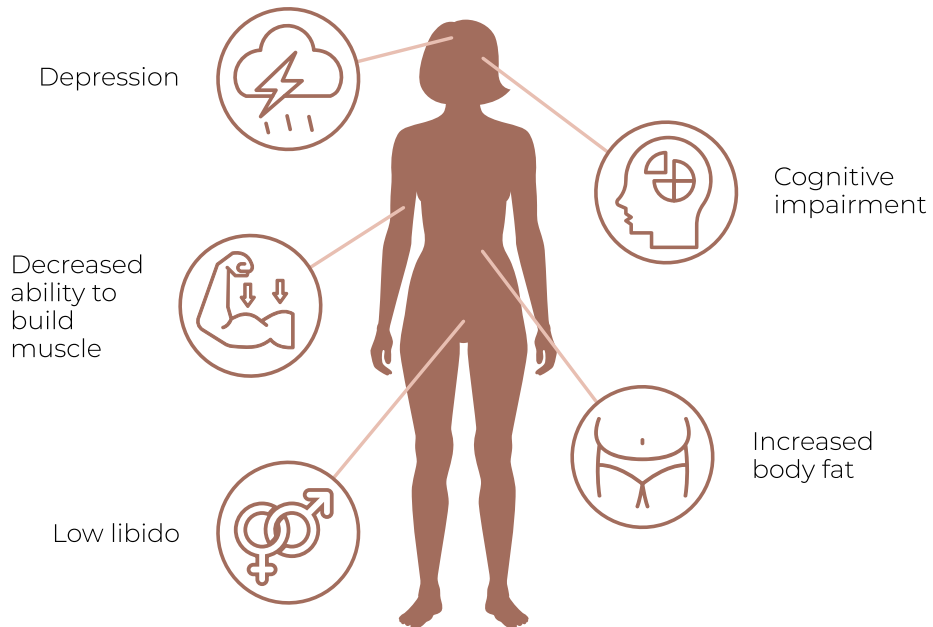
Among the deep-rooted clichés is the division of sex hormones into female and male.

In fact, the concept of "male" and "female" hormones is an oversimplification of the complex effects of all hormones.

Sex hormones affect body weight, hair growth, bone strength, muscle maintenance, mental state and perform other important tasks. Hormone levels and their relationship to each other change over the course of a lifetime. A lack of hormones or their imbalance can cause several health problems.

The ultimate goal should be to strive for hormonal balance.

# SIGNS OF LOW TESTOSTERONE IN WOMEN



Although testosterone is the main sex hormone in men, it is also present in smaller amounts in women. Testosterone appears to reduce the risk of breast cancer, especially in women who have been treated with estrogen.

In women, it positively affects weight, maintenance of tissue and bone mass, sexual desire, regular menstruation, fertility and red blood cell production.

# THE EFFECT OF LIVELIN PROESTROGEN ON WOMEN

**Drone milk is a powerful and above all completely natural source of all groups of sex hormones typical for women.**

**Estrogen** is probably the most well-known sex hormone. It exists in three basic varieties. Unlike synthetically prepared "pure" estrogen, the natural variant also contains molecules of **estriol**, **estrone**, and **estradiol**.

Estrogens play a key role in reproductive and sexual development, which begins when a man reaches puberty. Although estrogen hormones affect the function of almost all genes in the mammalian body, they are best known for their major role in reproduction.

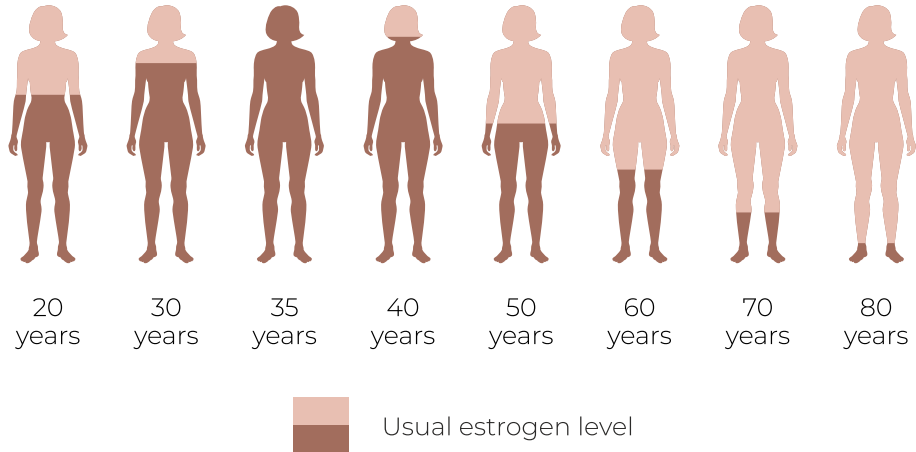
**Estrogens** modulate the development of secondary female characteristics, influence and control the menstrual cycle, sex drive and psychological well-being.

It has a positive effect on osteoporosis in women with estrogen deficiency. Osteoporosis can be associated with several factors, such as menopause and aging, and is characterized by a weakening of bone microstructure, overall bone loss and an excessive risk of fractures.

**One in two postmenopausal women has or will have an osteoporosis-related fracture.**

**Progesterone** helps stabilize menstrual cycles and prepares the body for pregnancy. Low progesterone levels can lead to irregular periods, difficulty conceiving and a higher risk of complications during pregnancy.

## ESTROGEN LEVELS IN WOMEN



### ESTROGEN IMBALANCE CAN CAUSE:

- weight gain, especially in the hips, thighs and waist
- mood changes and sleep problems
- feelings of depression and anxiety
- fatigue
- low sexual desire
- irregular or no menstruation
- more severe premenstrual or menopausal symptoms
- hot flashes, night sweats or both
- lumps in the breasts and uterus
- vaginal dryness and vaginal atrophy
- dry skin



# WHAT ARE THE ESTROGEN SUPPLEMENTATION OPTIONS?

## THE PLANT KINGDOM - FROM HERBS AND THEIR EXTRACTS

**Herbs:** maca root, female ginseng, agnus castus, black cohosh, shatavari, contryhel, clover, aronia, peony, and more.

**Phytoestrogens:** These are plant compounds that mimic the effects of estrogen. Some foods are rich in phytoestrogens: soy products (tofu, soy milk), flaxseed, sesame seeds, chickpeas, red clover.

## ANIMAL KINGDOM - FROM DRONE MILK

Natural sex hormones isolated from animals are closer to human hormones, but are rarely used. Pharmaceuticals uses, for example, the isolation of estrogen from the urine of pregnant mares.

**One of the few proven animal sources of sex hormones used for therapeutic effects is drone milk. Despite its measurable effectiveness, no adverse effects have been observed with its use.**

## SYNTHETIC AND SO-CALLED BIOIDENTICAL ESTROGEN

A combination of estrogens, progestin and a synthetic form of progesterone is used to treat hormonal deficiency.

**Natural estrogens include dozens of related, very similar molecules. Only the presence of all types of estrogens makes it possible to achieve true hormonal balance.**



# 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.

## HOW TO TAKE LIVELIN PROESTROGEN

LiveLin ProEstrogen contains 3 essential ingredients that diminish with age and are probably one of the main causes of aging.

Sufficient **coenzyme Q10** and **NMN** is an essential condition for smooth cellular respiration. **Estrogen**, estradiol and their precursors ensure hormonal balance.

LiveLin ProEstrogen also contains irreplaceable amino acids, antioxidants, vitamins and immunostimulants in the right proportions and amounts. These substances are contained in both drone milk and LiveLin.

The above substances are completely natural, their use does not lead to any serious side effects, and it is therefore not only possible, but desirable to supplement a balanced diet with them on a permanent basis.

**Begin the therapy with an activation treatment.** Start taking the product in the morning and evening, one teaspoon 20 minutes before meals. This initiation treatment should last 2-3 weeks, followed by a 10-day break. During this time, you will check how your body reacts to the bee products and kickstart the process of change.

**You can then move on to long-term use.** For continuous use, take half a teaspoon only in the morning on an empty stomach for 3 months. After a break of a few weeks, continue the therapy.

Try combining LiveLin ProEstrogen therapy with regular exercise, weight training and exercise. Already after the first month you will be surprised by the strengthening of muscle mass and performance, a burst of energy and zest for life.



## SUBSTANTIAL CONCLUSION

The uniqueness of **LiveLin ProEstrogen** lies in the combination of two highly effective, naturally prepared substances.

The first component of the product is **LiveLin**. It is a micronized form of noble yeast that contains a variety of highly valuable substances that support basic life functions.

The second ingredient is **drone milk**. It is an animal extract dissolved in honey that can naturally replenish missing hormones and support hormonal balance.

**If we take into account that LiveLin ProEstrogen supplements exactly those substances that every person loses with age, then we can speak without exaggeration about a real elixir of youth.**

The content of such substances as coenzyme Q10, NMN, NAD+ provitamin D, chelated forms of Fe, Se, Zn, magnesium and other minerals, all essential amino acids and a balanced complex of essential hormones make **LiveLin ProEstrogen** a truly unprecedented dietary supplement suitable for lifelong use.

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.





ALGAE FARM S.R.O.  
Žižkova 708, 261 01 Příbram  
Central Bohemia Region  
Czech Republic



establishment:  
Buk 39, 262 31 Milín-Buk

ICKO: 099 47 418



+420 793 965 410



info@algaefarm.cz



www.livelin.com

