



# LiverDophilus®

## Probiotic support for fatty liver

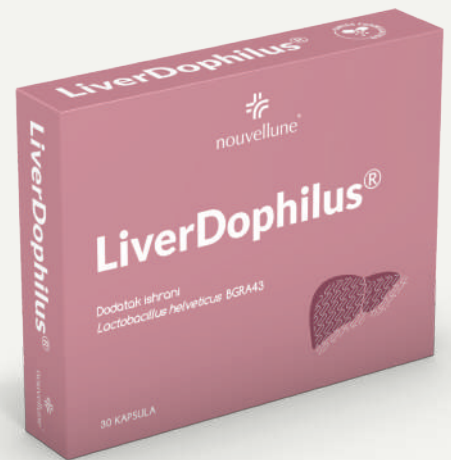
### About:

LiverDophilus® is the first probiotic dietary supplement developed specifically for addressing **MASLD** (Metabolic dysfunction-associated steatotic liver disease). It contains a patented strain, *Lactobacillus helveticus* **BGRA43**, clinically researched for its ability to reduce liver fat accumulation, systemic inflammation, and improve liver function.

The product was developed in cooperation with two leading scientific institutions: the Institute for Biological Research "Siniša Stanković" - National Institute of the Republic of Serbia and the Institute for Molecular Genetics and Genetic Engineering.

### Key Benefits:

- Demonstrates beneficial effects on liver lipid metabolism
- Helps normalize gut microbiota and the integrity of the intestinal barrier
- Decreases liver inflammation by modulating TLR4, TNF and IL1 $\beta$



### Application:

Complementary dietary support for individuals with MASLD, especially those with metabolic syndrome, obesity, or insulin resistance. Suitable during early stages of liver steatosis.

### Ingredients:

*Lactobacillus helveticus* BGRA43, micro-crystalline cellulose (bulking agent) and magnesium stearate (anti-caking agent). Hydroxypropylmethylcellulose (Capsule Shell).

## Background Information:

LiverDophilus® offers a novel, patented, and evidence-based approach to MASLD—currently the most prevalent chronic liver disease worldwide. Unlike traditional liver support therapies, LiverDophilus® works by restoring balance within the gut-liver axis.

At the heart of this innovation is *Lactobacillus helveticus* BGRA43, a patented probiotic strain selected for its ability to influence both hepatic metabolism and intestinal homeostasis. Preclinical studies demonstrate its potential to modulate the cellular mechanisms involved in fat synthesis, immune signaling, and epithelial barrier regulation—addressing upstream contributors to liver dysfunction.

Instead of acting as a pharmacologic or hepatotoxic agent, LiverDophilus® provides a biological, non-invasive method to manage liver fat and inflammation while addressing the broader metabolic dysfunctions (e.g., insulin resistance, obesity).

Recognized for its safety and scientific foundation, the strain is QPS-listed by EFSA and protected under patent P-2024/0902, offering a credible and differentiated solution in the growing category of liver health supplements.

### Acknowledgement / Funding

This brochure was funded by the Institute for Biological Research “Siniša Stanković” – National institute of the Republic of Serbia, University of Belgrade and the Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, under the Upgrade Technology Readiness Level Program (project “LiverDophilus® - Probiotic bacteria for the treatment of liver steatosis”), through the financial support of the Serbia Accelerating Innovation and Entrepreneurship (SAIGE) Project, a joint investment by the Republic of Serbia, Ministry of Science, Technological Development and Innovation, the World Bank and the European Union.

## Certified Ingredients

As a provider of highly innovative health products, we always focus on the quality and origin of each raw material. Only certified suppliers from Europe and USA - who meet the highest quality standards according to HACCP and GMP - are shortlisted and subject to a hard selection process.

## Innovation & quality from Switzerland

In collaboration with doctors and pharmacists, it is our constant goal to translate scientifically and clinically founded data into innovative product concepts. For this we have formulated a series of products that are special and unique in the market.

## Own production

We believe in high-quality health supplements and this can only be achieved by controlling every single step in the value chain, from Research & development over sourcing of the ingredients to manufacturing the products.