

What is LP_{LDL}®?

A true breakthrough in innovative health product development, OptiBiotix's *Lactobacillus plantarum* LP_{LDL}® is a next-generation probiotic that aids elements of cardiovascular and physiological wellbeing.

What makes this product so distinctive is its microbiome-modulating capacity, using holistic, non-pharmaceutical solutions such as prebiotic and probiotic research to transform the way physical health is approached. Whereas high levels of cholesterol are commonly addressed with statins, which are drugs known to be associated with a host of undesirable side effects, LP_{LDL}® offers a natural, scientifically founded alternative with no known side effects.

LP_{LDL}® has been shown in randomised controlled human studies to deliver tangible health benefits, reducing cardiovascular risk factors and supporting overall heart wellness. These include:

- ⚡ Total cholesterol lowered by up to 36.7%
- ⚡ LDL lowered by up to 13.9%
- ⚡ HDL increased by up to 4.5%

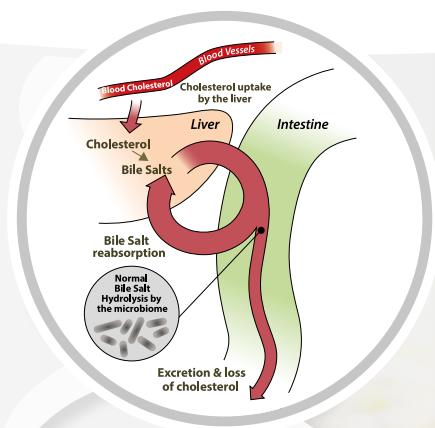
Independent studies have found LP_{LDL}® to be safe and well tolerated by human subjects.

How does it work?

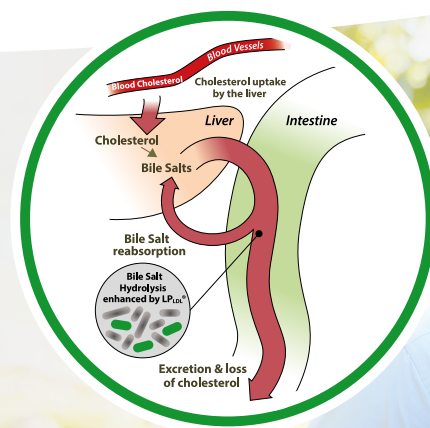
LP_{LDL}® harnesses the microbiome-liver axis to modify an individual's current microbiome, using a naturally-occurring strain of the bacterial species *Lactobacillus plantarum*, which demonstrates an exceptional capacity to modulate the metabolism of bile acids. This activity is important to bacterial survival in the intestine's tough environment and aids conditions such as high blood pressure and high cholesterol, as well as physiological processes including vitamin metabolism, glucose regulation and liver function.



Without LP_{LDL}®:



With LP_{LDL}®:



LP_{LDL}[®] Application

LP_{LDL}[®]'s outstanding stability in processing makes it a suitable ingredient for a broad array of functional food products and supplements in consumer and pharmaceutical health care.

It has outstanding survival and metabolic activity in high concentrations of bile salts and conditions in the intestine, and shown excellent survival to freeze-drying and stability at 25°C and 5°C over 24 months.

LP_{LDL}[®] is manufactured in pharmaceutical GMP-certified facilities, and protected worldwide by 5 patent families and 3 trademarks.

LP_{LDL}[®] is also available in OptiBiotix food supplements **CholBiome[®]** and **CardioBiome[®]**.

To find out more about LP_{LDL}[®] please contact OptiBiotix on:

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OptBiotix[®] HEALTH PLC

OptiBiotix Health plc is a life sciences company dedicated to the discovery and commercialisation of human microbiome modulators for the prevention and management of a range of health conditions.

Formed in 2012, everything we do is underpinned by science and based on human trials, allowing us to deliver quality ingredients and superior white label food and supplement solutions.

optibiotix.com

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OptBiotix[®] HEALTH PLC

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