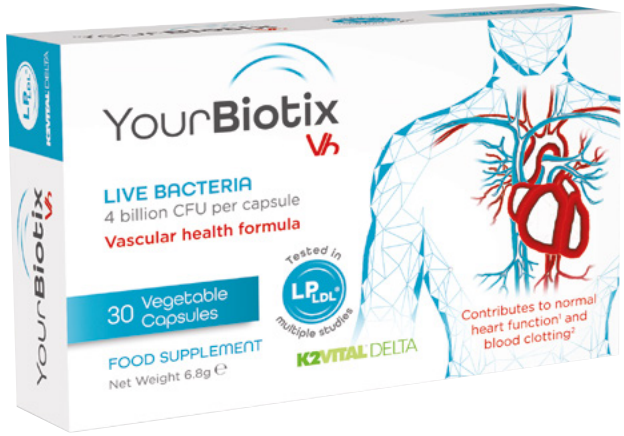
YourBiotix VH

For Vascular Health

Contributors of arterial plaque formation

Scientifically Validated LP LDL® For Cardiometabolic Health

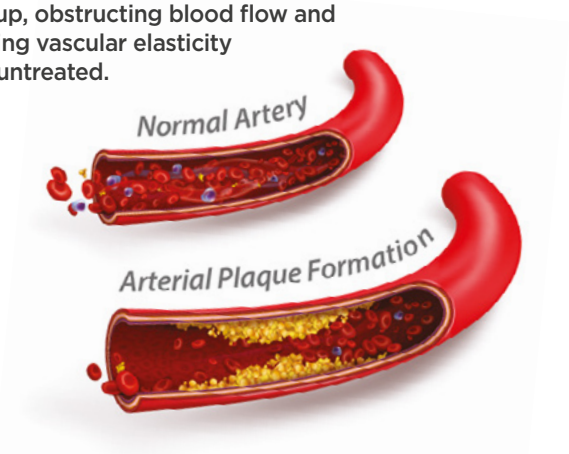


VEGAN | ALLERGEN-FREE | NON GMO

- Scientifically validated Efficacy
- Turnkey, finished formulation - ready to market
- Clinical dose delivered through end of shelf life (2 years)
- Manufactured under cGMP

Atherosclerotic Plaque Formation

Cholesterol, calcium and other particles gradually build up, obstructing blood flow and reducing vascular elasticity if left untreated.



Contributors to Plaque Formation: LDL Cholesterol, Apolipoprotein B, Calcium & other and cellular debris deposits

LP_{LDL}® and K2VITAL DELTA (Vitamin K2) work against the build-up of cholesterol and calcium deposits in the blood vessels to prevent the progression of atherosclerosis. Together with Thiamine they help support vascular health.

$YourBiotix_{VH}$ (vascular health) is a food supplement that combines three science-backed, natural ingredients to provide a multi-targeted mechanism for maintaining a healthy heart and circulatory system.

These ingredients have been specifically chosen for their capacity to support the reduction in vascular calcification and plaque formation (atherosclerosis) in arteries, to improve cardiovascular health.

1. ***Lactobacillus plantarum*** **LP_{LDL}®**, a patented, naturally occurring and proprietary probiotic strain discovered by ProBiotix Health.

   LP_{LDL}® has clinically demonstrated efficacy to reduce cholesterol and apolipoprotein (ApoB)[1,2]. High LDL cholesterol and ApoB are recognised risk biomarkers of plaque formation.

2. **Thiamine (Vitamin B1),** a vitamin that contributes to the normal function of the heart[3]. Thiamine deficiencies have been associated with heart health complications.

3. **K2VITAL® DELTA,** a patented version of Vitamin K2 MK7, offers a highly bioactive version of vitamin K2 and ensures greater quality and purity.

   Vitamin K2 contributes to normal blood clotting[4] and reduces vascular calcification, putting calcium in balance. Vitamin K2 MK7, activates proteins that bind and direct calcium away from the arteries, preventing calcification and the loss of vascular elasticity[5,6].

EFSA Health Claim:

- Thiamine contributes to the normal function of the heart
- Vitamin K2 contributes to normal blood coagulation

US Structure Function Claims*

- Benefits long term cardiovascular health

Unique Features:

- USED IN CLINICAL STUDIES
- ACID PROTECTION HPMC CAPSULE TECHNOLOGY
- CONTAINS HIGHLY BIOAVAILABLE VITAMIN K2

Directions for use

Take one capsule orally per day with a glass of water, preferably after a main meal.

ProBiotix HEALTH

probiotixhealth.com

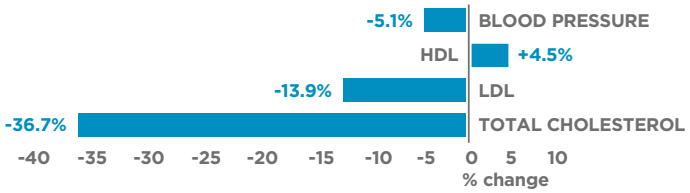
Commercialisation

Scientifically validated in independent human intervention studies to support vascular health

Safety and efficacy of LP_{LDL}® in normal to mildly hypercholesterolemic adults.

A 12-week, independent, double blind, randomised, placebo-controlled human intervention in 49 adults (total cholesterol at baseline between 5.16 and 7.64mM), taking 4×10^{9}CFU encapsulated LP_{LDL}® or placebo. Results are based on 12 weeks consumption LP_{LDL}® vs placebo[2].

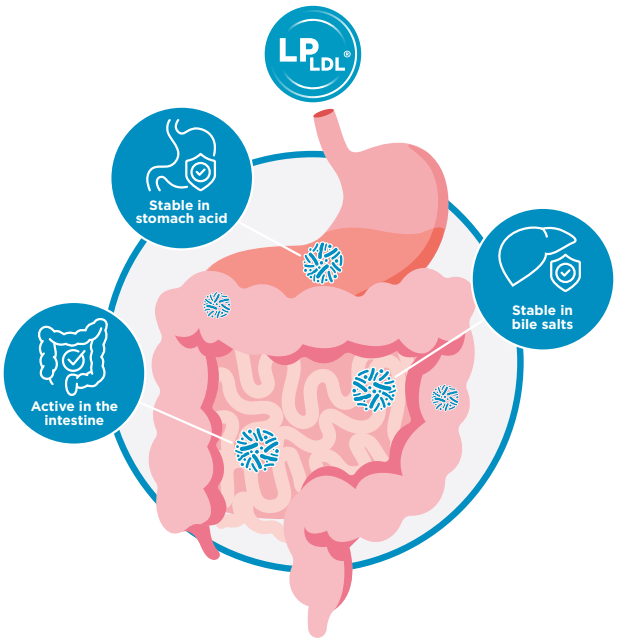
LP_{LDL}® was shown to be completely safe, well-tolerated and showcased statistically significant improvements to multiple risk biomarkers for cholesterol:



University of Reading: Costabile et al., 2017

Superior Gastric Stability

LP_{LDL}® is gastric pH and bile salt tolerant coupled with acid protection HPMC capsule technology to ensure optimum efficacy on delivery



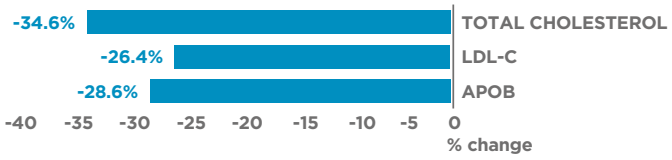
Supporting literature

(1) Costabile A et al., (2017). PLoS One. 12(12): e0187964
(2) Derosa G et al., (2020). High Blood Press Cardiovasc Prev. Manuscript accepted for publication
(3) EFSA Journal 2009; 7(9):1222
(4) EFSA Journal 2009; 7 (9): 1228
(5) Geleijnse, J.M et al. (2004). 134(11): 3100-3105.
(6) Knapen M.H.J et al.,(2015). 113(5): 1135-1144.
(7) Schantl AE, Ivarsson ME, Leroux J-C. (2019). 2(1): 1800094

The cholesterol lowering efficacy in LP_{LDL}® in hypercholesterolemic adults

A 9-week, independent, double blind, randomised, placebo- controlled human intervention study in 16 adults taking 4×10^{9}CFU encapsulated LP_{LDL}® or placebo[3]. Results are based on 6 weeks consumption of LP_{LDL}® vs placebo on a daily basis, followed by a 3-week washout period.

LP_{LDL}® was shown to be completely safe, well-tolerated and showcased statistically significant improvements to multiple risk biomarkers for cholesterol within 6 weeks:



University of Roehampton: Keleszade E. et al., 2021

LDL cholesterol and ApoB: The key to optimal vascular health

ApoB is a protein which enables LDL cholesterol to bind to the arterial walls. High levels of LDL cholesterol and ApoB are two major risk factors for the development of plaque formation (atherosclerosis).

Vitamin K2 activates the matrix Gla-protein (MGP), a protein which plays an important role in directing calcium away from the arteries. Calcium, when out of balance, can deposit and build on plaques in the arterial walls (vascular calcification). This action causes the plaque to harden and be more unstable, increasing the risk of thrombosis.

Managing LDL cholesterol and Apolipoprotein B levels, while reducing calcium build-up in the arteries, is vital for maintaining vascular health. YourbBiotixVH has been scientifically formulated with these objectives in mind.

The Link Between the Gut Microbiome and Cardiometabolic Health

The liver and the gut microbiome have an intense functional and bidirectional communication known as the Gut-Liver Axis. Within this metabolic cooperation, the liver produces and releases bile salts influencing cholesterol metabolism.

LP_{LDL}® deconjugates bile salts in the intestine, preventing their uptake by the liver. This triggers the liver to utilise cholesterol to restore the bile acid pool.

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.'

ProBiotix HEALTH

probiotixhealth.com
info@probiotixhealth.com

Commercialisation