

PRO-VEN° The ShapeLine Study

PROBIOTICS The largest human study on the effect of probiotics on weight loss

Double-blind, randomised, placebo-controlled study (the gold standard of clinical trials)

220 healthy adults (BMI 25-35, waist circumference >89cm for women or >100cm for men) took one capsule per day for six months and maintain normal diet and lifestyle

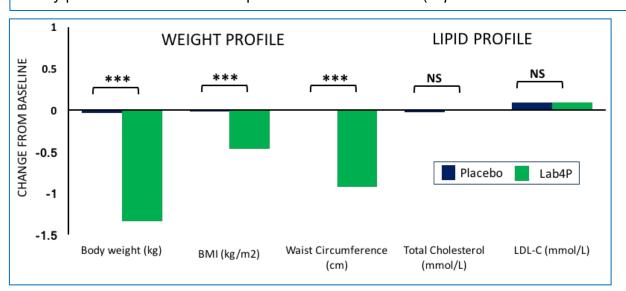
Active group (110) took the Lab4P probiotic consortium (Lab4 plus Lactobacilllus plantarum)

Placebo group (110) took an identical looking inert capsule

After 6 months – ProVen ShapeLine group showed:

- Reduction in a) weight (3lbs), b) waist circumference (1cm), c) BMI
- Reduction in upper respiratory tract infections, headaches and muscle pain
- Improvement in Quality of Life measures

Study published in Scientific Reports on 6th March 2020 (https://www.nature.com/articles/s41598-020-60991-7)



SCIENTIFIC REPORTS A randomised controlled study shows supplementation of overweight and obese adults with lactobacilli and bifidobacteria reduces bodyweight and improves well-being D. R. Michael^{1*}, A. A. Jack¹, G. Masetti¹, T. S. Davies¹, K. E. Loxley¹, J. Kerry-Smith¹, J. F. Plummer¹, J. R. Marchesi^{2,1}, B. H. Mullish², J. A. K. McDonald², T. R. Hughes¹ D. Wang⁶, I. Garaiova¹, Z. Paduchová⁷, J. Muchová⁷, M. A. Good⁸ & S. F. Plummer¹ Ool.) assessments and the incidence of upper respiratory tract infection (URTI). Significant betwee properties in body weight (1.3 kg, ρ < 0.0001), BMI (0.045 kg/m², ρ < 0.0001), WC (0.4 cm, ρ <0.0001) and WHIR (0.006, ρ <0.0001) were in favour of the probiotic. Stratification identified eight subjects (1.88%, $\rho < 0.0001$) and in females (1.62%, $\rho = 0.0001$

ShapeLine Study 2

Follow-up trial completed with sub-group of 70 healthy adults (BMI 25-29, age 45-65) over nine months

Focus on overweight people aged over 45 – the group that had the best results in the first study

Double-blind, randomised, placebo-controlled study – two groups of 35 (one probiotic, one placebo)

Research analysis and writing currently being completed – paper due to be published later in 2020

Initial results look to be even better than the first study

Lab4P proposed mechanism of action 1. CHOLESTEROL REMOVAL Cholesterol is bound or metabolise

Cholesterol is bound or metabolised by Lab4P and subsequently removed in faeces

2. BILE SALT HYDROLASE ACTIVITY

Deconjugation (modifying) of bile acids leads to their reduced re-absorption and places an increased demand on the liver to synthesize more bile acids from circulating cholesterol in blood to replenish intestinal bile acids lost in faeces

3. REDUCTION OF CHOLESTEROL TRANSPORT ACROSS THE INTESTINAL EPITHELIUM

3a reduction in the uptake of extracellular cholesterol and reduced expression of the NCP1L1 cholesterol transporter;

3b reduction in the efflux of intracellular cholesterol to the basolateral compartment (tissues) and reduced expression of the ABCA-1 cholesterol transporter;
3c no change on the intracellular cholesterol efflux back into the apical (intestinal lumen) compartment

ShapeLine Case Study

Name: Ana Ivanov*

Age: 56

Occupation: University Assistant Professor

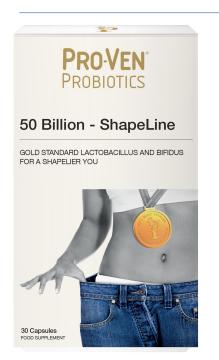
From: Sofia, Bulgaria

From 30 onwards I noticed a change in my weight; I found it more and more difficult to keep a healthy weight. In particular, I have become more prone to fat accumulation around the stomach and hip area. My current level of physical activity is around 1-3 hours per week – when I was younger increasing my level of exercise would help contribute to weight loss however as the years have passed, it has become increasingly difficult for me to lose weight through exercise.

Prior to ShapeLine, I hadn't tried any supplements or medicines to help with weight loss. I heard about ShapeLine through a friend who was participating in the study and decided to volunteer. My experience with ShapeLine has been very good, I noticed substantial weight loss after the 6 months of taking ShapeLine on a daily basis and haven't had any severe side effects. I lost a total of 5kg, clothes feel looser and have received a number of compliments from family members. As well as the weight loss I have noticed an increase in my energy levels, overall mood and I feel healthier.

I have maintained the weight loss achieved and will now definitely consider purchasing the supplement going forward. I would whole-heartedly recommend to my friends and relatives.

*To get ethics approval for the study, names have had to remain anonymous



↓ CHOLESTEROL

G,T Conjugated bile acids

50 Billion – ShapeLine is a high-strength probiotic supplement that contains 33.5 billion Lab4 probiotics with 16.5 billion *Lactobacillus* plantarum (CUL66) per capsule - the exact level used in the ShapeLine clinical trial.

It is the first human microflora product that, when taken daily for 6 months at one capsule a day, has been shown to help support weight loss, reduce waist size and lower BMI.

Contains Lab4 probiotics, the most researched group of friendly bacteria in the UK, along with *Lactobacillus plantarum*, an additional strain of live bacteria, proven to reduce cholesterol (collectively known as Lab4P).

50 Billion – ShapeLine also contains nutrients to help support the immune system (vitamin C, vitamin D and zinc).

Nutritional Information		
Serving Size: Servings Per Pack:	1 Capsule 30	
Amount Per Serving		%NRV*
Vitamin D Vitamin C Zinc	10µg 80mg 10mg	200% 100% 100%
Lab4P Consortium Lactobacillus acidophilus (CUL60 Lactobacillus acidophilus (CUL21 Bifidobacteria animalis subsp. lac Bifidobacteria bifidum (CUL20) Lactobacillus plantarum (CUL66)	33.5 billion viable cells	† † † †