



SynBalance® MetSyn

Take care of you !

Probiotic complex targeting metabolic syndrome (LP - PBS067, LA - LA001, LR - PBS072)

Improvement of anthropometric factors & quality of life

Reduction of systemic inflammation and oxidative stress

Gut health symptoms improvement

Typical dosage: 6B CFU/day (2B CFU/strain) - minimum 60 days treatment

www.roelmihpc.com



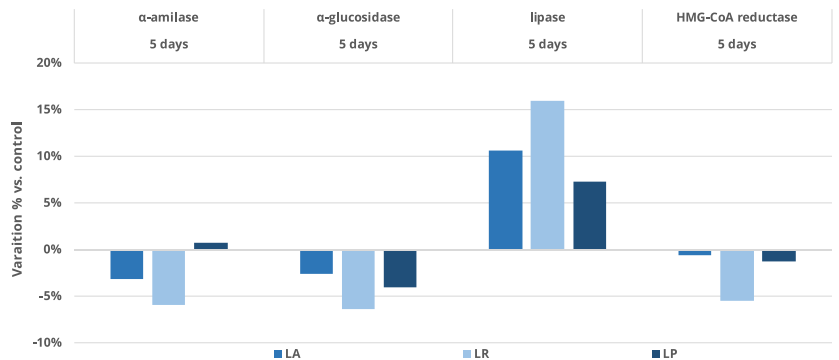
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✔ In-vitro influence on carbohydrates and lipids metabolism

☆ α -amylase, α -glucosidase are the enzymes involved in the digestion-absorption of carbohydrates and hydrolyzation of oligosaccharides to release glucose. Modulation of lipolysis and cholesterol biosynthesis as biological markers of hyperlipidemia and hypercholesterolemia.

🔍 SynBalance® MetSyn is effective in inhibiting the enzymatic activity and the corresponding starch digestion, modulating the carbohydrate digestion and reducing the absorption of sugars.

🔍 SynBalance® MetSyn improves the exploitation of lipid mass and helps keeping under control the cholesterol blood level.

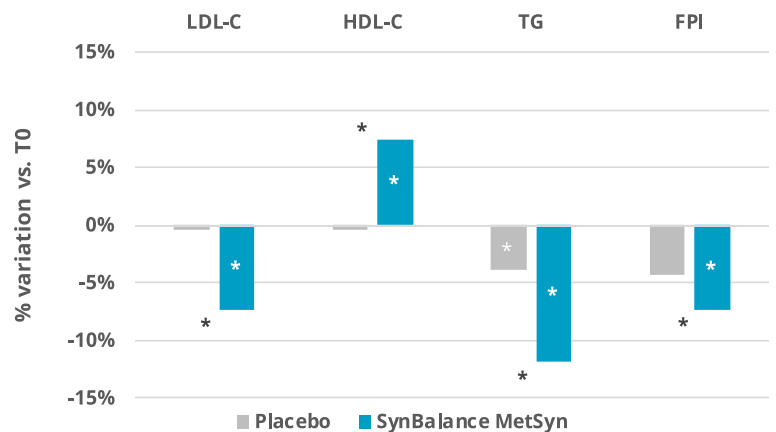


✔ Clinical modulation of metabolic profile

☆ RDBPC clinical trial involving 60 subjects (randomized as 30 active/ 30 placebo), 65-80 years old, with metabolic syndrome diagnosis. Checks are scheduled at T0 and T60. QoL questionnaires collected after wash-out.

🔍 All dyslipidemic markers were improved in MetSyn group during the treatment without changing the dietary habits: especially TG and LDL-C were statistically reduced and HDL-C increased with respect to placebo.

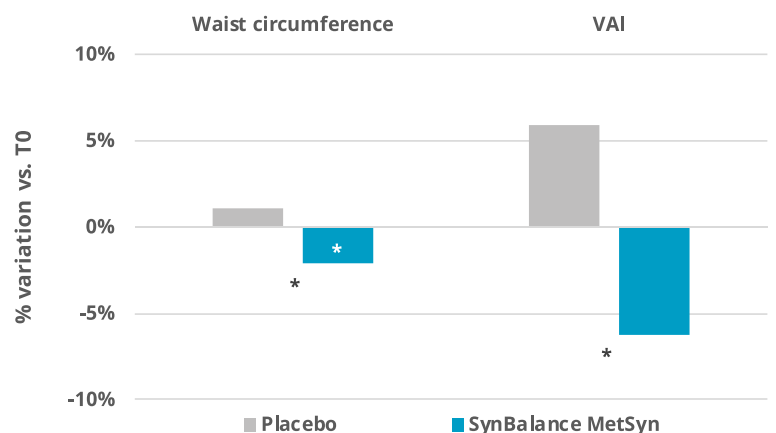
🔍 Also fasting plasma insulin (FPI) diminished thanks to a more efficient use of endogenous insulin and an enhanced carbohydrates metabolism.



✔ Improvement of obesity markers

🔍 Waist circumference in overweight people was reduced by 4 cm in the active group together with visceral adipose index (-10%).

🔍 In another study, typical symptoms correlated to GI dysfunction in overweight and obese people such as constipation and bloating, were also improved by the same probiotics.



✔ Reduction of chronic inflammation in humans

🔍 ↓ pro-I TNF-alpha (> 9%)

🔍 ↓ hsCRP, marker of chronic (low-level) inflammation (>5%)

🔍 ↑ Quality of life