

Important facts about LipoSan Ultra®

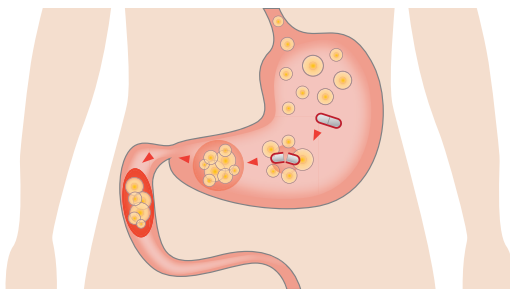
LipoSan Ultra is an Icelandic chitosan product manufactured by Primex ehf via a patented process resulting in a high-density chitosan product with high fat-binding capacity. The benefits of LipoSan Ultra are constantly being investigated and our scientists have several research projects ongoing this year.

NEW IN VITRO FINDINGS

- LipoSan reduces detrimental fermentation in colon, promoting gut health.
- LipoSan stimulates good bacteria, having a positive effect on colonic health by producing higher levels of acetate and propionate.
- LipoSan promotes **colonic health** and contributes to **inflammatory and disease prevention**.
- LipoSan supports the digestive system as a whole.

LIPOSAN FIBERS ARE SAFE FOR USE EVERY DAY TO IMPROVE YOUR DIGESTION:

- Reduce dietary fat
- Help in weight management
- Maintain normal cholesterol
- Improve gut health



LIPOSAN ULTRA® HAS A SUPERIOR FAT-BINDING EFFICACY

When compared with other sources of chitosan, LipoSan Ultra® displays superior fat-binding properties. In comparison to 11 other manufacturers, **LipoSan binds in average 7 times more fat** than crustacean chitosan and 12 times more than fungal chitosan.

For each gram of LipoSan you need more than 5 grams of chitosan from other manufacturers to achieve the same fat-binding.

Due to the cationic nature of chitosan, it is expected to bind more fat than regular fibers. On top of this advantage over regular fibers, LipoSan shows a clear dominance when compared to chitosan from other manufacturers.

Thoroughly tested in clinical and in vitro studies, Primex chitosan has clear advantages. To name a few:

SAFE CHITOSAN

Daily intake of pure chitosan for 8 weeks did not affect serum-fat soluble vitamins or other safety parameters in 56 subjects in Finland consuming a typical diet.

Daily intake of LipoSan for 8 weeks had no undesirable gastrointestinal effects in overweight women. LipoSan has been on the market for more than 15 years.

EFFECTIVE CHITOSAN

Daily intake of pure chitosan for 6 months showed our chitosan to be a valuable and safe long-term dietary treatment of obesity as it reduced blood pressure associated with weight loss.

Each gram of LipoSan binds more than 100 g fat

Daily intake of LipoSan for 8 weeks led to a significant weight loss in treated group compared to placebo without the need for a reduced caloric diet or special exercise.

HEALTH-PROMOTING LIPOSAN

Daily intake of LipoSan for 2 weeks reduced harmful putrefactive fermentation products in the SHIME colon and stimulated microbiota having a positive effect on colonic health by production of higher levels of acetate and propionate in the distal colon.

LipoSan can increase effectiveness of digestive system and colonic health.

CALORIE-RESTRICTION

Reduced calorie intake contributes to the extension of both median and maximum lifespan, by suppressing oxidative related alterations and oxidatively induced age-related diseases in laboratory animals. Similarly, new findings in chitosan research indicate that it may contribute to anti-ageing and endurance.

Primex provides weight management solutions while promoting fiber supplementation and calorie restriction for overall wellness.