



Lycobiotic™ – new class of prebiotics for Gut Bifidobacteria with a systemic positive effect on the Liver, Muscles and Skin

Lycobiotic™

Clinically validated new class of prebiotics 1,000–4,000 times stronger than fibre, stimulating the population of probiotic bacteria, in particular Bifidobacteria, in the human colon. A randomised, double-blind, controlled 4 week clinical trial on 30 moderately obese middle-aged persons demonstrated a dose-dependent effect of daily ingestion of Lycobiotic™ on the increase of Bifidobacteria adolescentis in the Gut. These changes were accompanied by a dose-dependant systemic positive effect on the Liver and reversal of age-associated parameters of Skeletal Muscles and Skin.

Sensory studies of different food matrixes, milk, yogurts and ice cream formulated within a range of physiologically active Lycobiotic™ concentrations revealed high consumer acceptance since this prebiotic did not change the original taste of the food products.

Applications

Technology for incorporation and formulation of Lycobiotic™ can be used for different food matrixes. It has already been developed for chocolate, ice-cream, milk, yogurt and cheese. A daily dose of 1-10 mg makes it ideal for small portions, children's food, snacks, treats, drink shots and other beverages.

Lycobiotic™ can be applied at different stages of manufacturing food and beverage products. The prebiotic is stable at a broad range of pH from 2.5 to 8.0, is thermo-resistant and retains its properties after pasteurisation, cooking or boiling.

Regulatory

Lycobiotic™ is safe and approved for humans and animals. It can be used worldwide as a prebiotic for nutraceutical, functional food and beverage products to boost colon Bifidobacteria and support gut, liver and skin health.

IP Protection

A patent application was filed April 2018.

Lycobiotic™ ideal for drinks, snacks and treats

daily dose for an adult 5–10 mg, for a child 1–3 mg



CHOCOLATE



ICE CREAM



MILK AND DRINKS



COFFEE



SNACKS AND SPREADS



NUTRACEUTICALS

Lycotec is now looking for partnership and to license out Lycobiotic™ to Nutraceutical, Functional Food and Beverage industries.

Contact Us

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