

Healthy Aging

Synbio

Support longevity naturally

CultureScience
Clinically Tested



The global population is aging faster than ever, and while life expectancy continues to rise, the real challenge is living those **extra years in good health**. Aging is closely linked to **gut microbiota imbalance** and **chronic low-grade inflammation** ("inflammaging"), two silent drivers of frailty and age-related conditions such as metabolic dysfunction and cognitive decline.

The gut plays a central role in immunity, nutrient absorption, and even brain health through the gut-brain axis.

Yet, with age, microbial diversity decreases, beneficial species diminish, and harmful strains proliferate, compromising resilience and overall vitality.

Synbio, a synergistic blend of *L. rhamnosus* IMC501® and *L. paracasei* IMC502®, is **clinically proven** to restore gut balance, improve digestive comfort, and support overall well-being. By promoting a resilient microbiome, **Synbio helps create the foundation for healthy aging**, so you can stay active, vibrant, and enjoy life to the fullest.



Clinically Proven for Active Aging

Synbio is backed by robust clinical research in elderly adults, showing measurable improvements in gut health, reduced age-related inflammation, and enhanced overall vitality - making it a trusted choice for healthy aging solutions.



Longevity from Within

Through targeted microbiota modulation and restoration of key metabolites, Synbio helps strengthen the gut barrier, balance the intestinal ecosystem, and support resilience against age-related decline, promoting long-term wellness from within.



Muscle Strength and Nutritional Balance

Synbio contributes to better nutritional status and supports muscle health by influencing key biomarkers linked to strength and energy, helping reduce risks of frailty and maintain independence as we age.



Cellular Longevity Support

Emerging evidence suggests Synbio may help preserve telomere length, a marker of cellular health, bringing innovative, science-driven benefits to formulations designed for longevity and graceful aging.

VEGETARIAN

HYPOALLERGENIC

HALAL

GMO FREE

GLUTEN FREE

KOSHER

How Synbio supports longevity

Synbio acts through a **multi-action approach**. Clinical studies in elderly adults show that Synbio significantly reduces systemic inflammation (hsCRP, TNF- α , IL-6), helping restore immune balance.

It **also improves gut microbiota composition**, doubling *Bifidobacterium* levels and increasing *Akkermansia spp.*, a species associated with gut barrier integrity and longevity. These changes enhance the production of **short-chain fatty acids (SCFAs)**, metabolites that support intestinal barrier function, mucus production, and hormonal

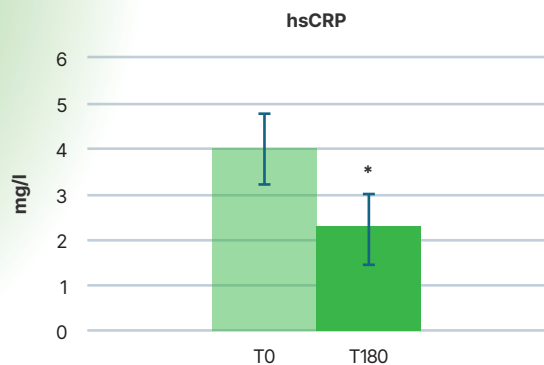
regulation. Synbio further contributes to **muscle health** by increasing IGF-1, a key biomarker for bone and muscle mass, and improves nutritional status, reducing malnutrition risk.

A recent study revealed that Synbio supplementation significantly slowed telomere attrition compared to placebo, suggesting a protective effect on cellular aging. By combining gut health benefits with potential cellular longevity support, Synbio offers a natural, science-backed solution to promote resilience and vitality throughout life.

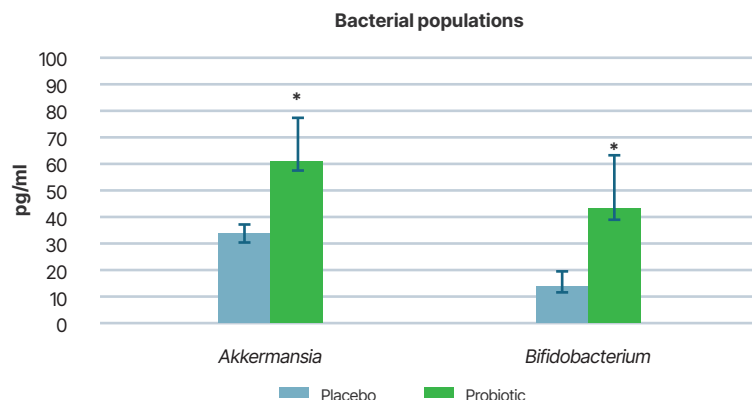
Synbio clinical evidence

97 Senior Subjects **5 Bn CFU/DAY** **180 days, Randomized, double blinded, placebo-controlled**

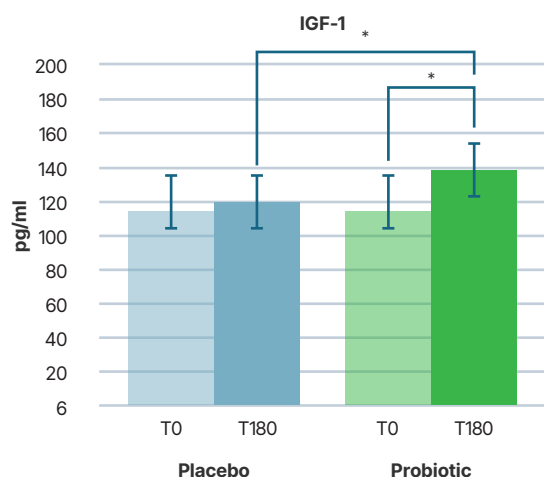
Reduces Age-Related Inflammation



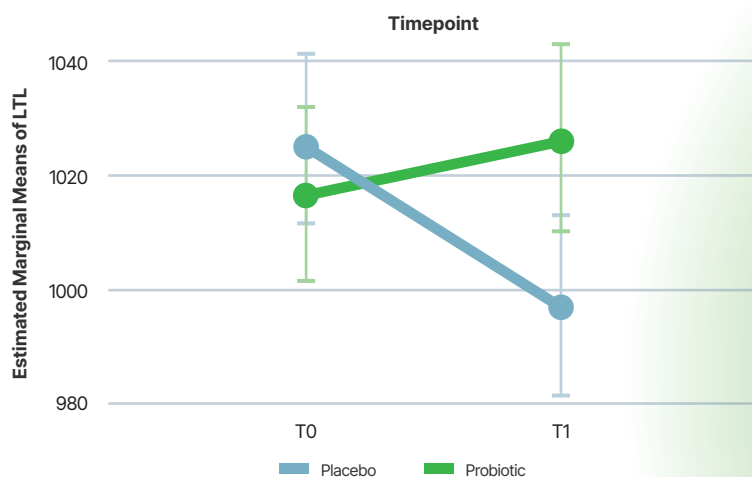
Restores Youthful Microbiome



Supports Muscle Strength and Maintenance



Helps Maintain Cellular Telomere Length



*statistically significant difference

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