Microbiome Solutions

BPL1® Postbiotic



Metabolic Wellness: Consumers Weigh Their Options

What it means to be healthy has changed significantly over the years, with consumers taking a more holistic approach. Metabolic well-being, encompassing five crucial health indicators, provides a holistic perspective of an individual's overall health condition. Consequently, it is emerging as a more **effective predictor of sustained well-being over the long term.**

A healthy weight is often perceived as an indicator of overall health, but our understanding has evolved to recognize it as just one facet of the broader wellness puzzle. Consumers now know that adopting healthy lifestyle practices like proper diet and exercise are crucial for optimal metabolic health. Today's modern consumer not only looks beyond the scale for support, they're seeking **science-backed solutions** to help them win on their wellness journey.

Scientific exploration of the microbiome is on the rise, unveiling its capacity to positively affect various facets of metabolism and overall human wellness.

2.5 Billion
Overweight Adults[1]

Worldwide adult obesity has **more than doubled** since 1990[1]

Adolescent obesity has **quadrupled**[1]

Postbiotic Solutions of Tomorrow

Consumers recognize the wellness benefits of probiotics. However, probiotics lack the versatility required to include them in food & beverage products without compromising overall quality. According to the International Scientific Association for Probiotics & Prebiotics (ISAPP), postbiotics are a "preparation of inanimate microorganisms and/or their components that confers a health benefit on the host." As such, they are an exciting breakthrough in microbiome technology. With new, innovative postbiotic technology, this opens the door to incorporating postbiotics into a diverse range of dietary supplements, as well as food & beverage applications, offering consumers more convenience when looking for products with similar benefits.

[1]The World Health Organization, (2025) Fact Sheet on Obesity. https://www.who.int/news-room/fact-sheets/detail/obesity-and-overweight



BPL1® Postbiotic: A Formulator's Dream

BPL1® Postbiotic is backed by ADM's gold-standard human clinical trial and is currently being investigated in additional human clinical trials, with emerging and *in vitro* evidence that supplementation may help support:

- Visceral fat reduction in combination with diet and exercise
- A healthy waist circumference in conjunction with diet and exercise
- Metabolic health pathways

WINNER:

NutraIngredients Awards 2021

BIG Innovation Awards 2021

iSEE Technology 2021-2022

More Applications, More Benefits

BPL1® Postbiotic is ideal for use in food, beverage and dietary supplement formulations. And since BPL1® Postbiotic is heat-treated, it has the ability to be used in a wider variety of food & beverage products.

BPL1® Postbiotic can be incorporated into the following applications:

- Sports nutrition
- Better-for-you snacks
- Beverages
- Dairy & plant-based chilled or non-chilled
- Dietary supplements
- Specialized nutrition

Concentration:

BPL1® Postbiotic: 100B cells/g, 300B cells/g

Certifications & Relevant Information

- **QPS & GRAS**
- **Non-GMO**
- **Gluten-free**
- **Lactose-free**
- **Kosher**
- **Halal**

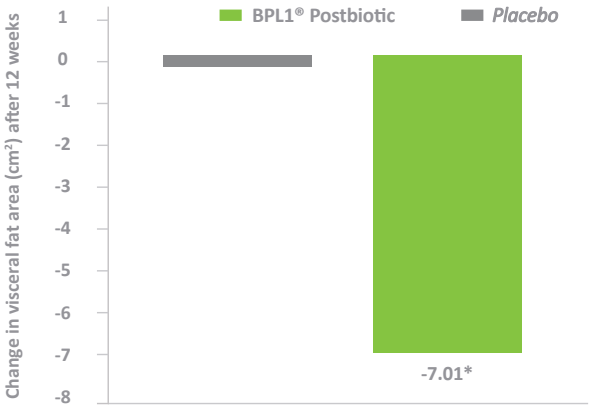
The Science Behind BPL1® Postbiotic

BPL1® Postbiotic (*Bifidobacterium animalis* subsp. *lactis* CECT 8145) is the heat-treated version of ADM's award-winning probiotic strain with clinically documented results in aspects related to metabolic health. Clinical evidence suggests BPL1® Postbiotic may help support visceral fat reduction in combination with diet and exercise.[2]

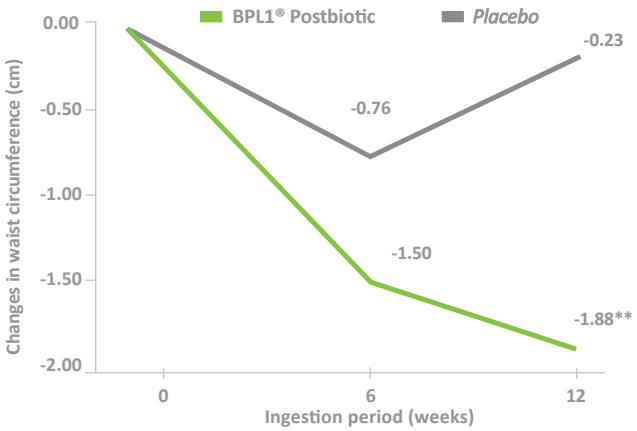
A randomized double-blind, placebo-controlled clinical trial to understand BPL1® Postbiotic's role in the support of metabolic health:[2]

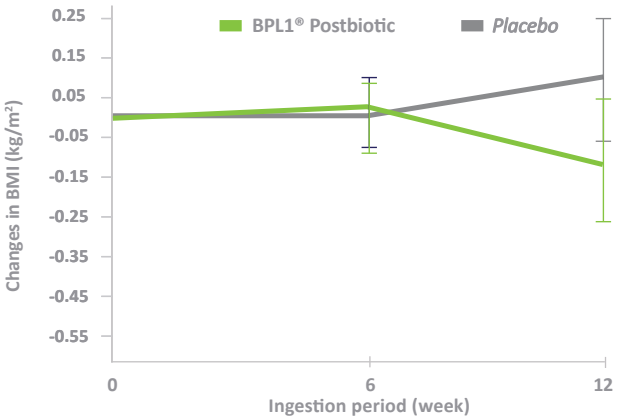
- Studied women and men with waist circumferences ≥ to 88cm and 102cm, respectively
- Intervention: BPL1® Postbiotic 10^{10} cells daily for 12 weeks
- Multiple outcomes assessed, including anthropometric biomarkers and microbiome analysis

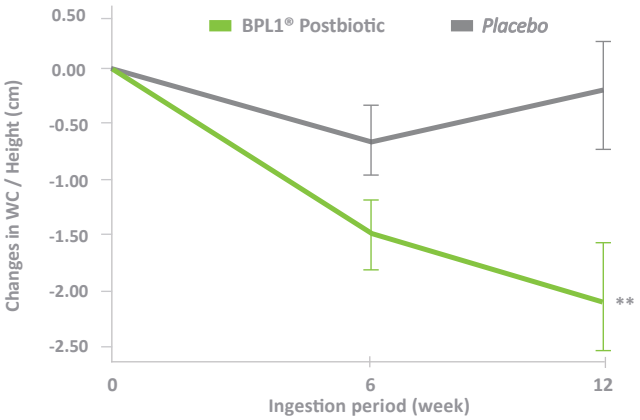
After 12 weeks, subjects in the BPL1® Postbiotic intervention group showed a **significant reduction in abdominal visceral fat area.***

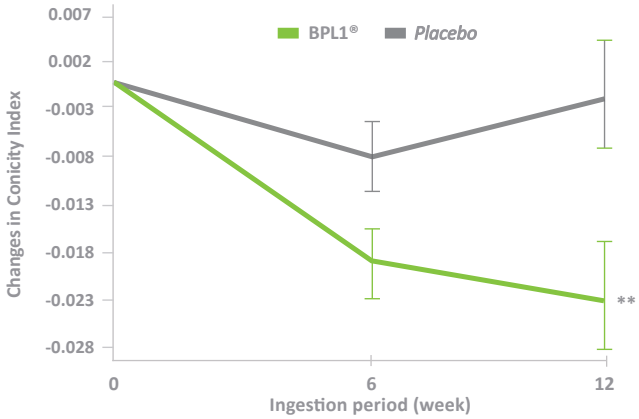


In a human clinical study, BPL1® Postbiotic resulted in **a significant decrease of waist circumference** compared to the placebo after 12 weeks.[2]









*Compared to baseline
** p<0.05 compared to placebo

[2] Pedret, A. et al. (2019) Int J Obes. 43: 1863-1868



From Lab to Life: ADM Microbiome Solutions

ADM drives innovation. From the science behind the ingredients to real-world applications in food, beverage and dietary supplements, ADM delivers future-forward nutrition fueled by science, with a complete range of solutions from pre-, pro- and postbiotics to bacteriophages and enzymes, all clinically documented to deliver health & wellness benefits.

ADM Delivers for You

ADM maintains an expansive pantry of health & wellness ingredients to deliver science-driven supplements and food & beverage formulations to meet consumers' evolving functional nutrition needs. Our vertically integrated supply chain ensures the reliability and availability of high-quality products while our dependable customer service provides industry-leading solutions to support your success.

THIS COMMUNICATION IS INTENDED FOR B2B USE AND NO STATEMENTS ARE MEANT TO BE PERCEIVED AS APPROVED BY REGULATORY AUTHORITIES. LOCAL REGULATIONS MUST BE REVIEWED TO CONFIRM PERMISSIBILITY OF INGREDIENTS AND CLAIMS FOR EACH FOOD AND DIETARY SUPPLEMENT CATEGORY.

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