

Humiome® Postbiotics

A pioneer in the biotics space

Preparation of inanimate microorganisms and/or their components that confers a health benefit on the host.¹

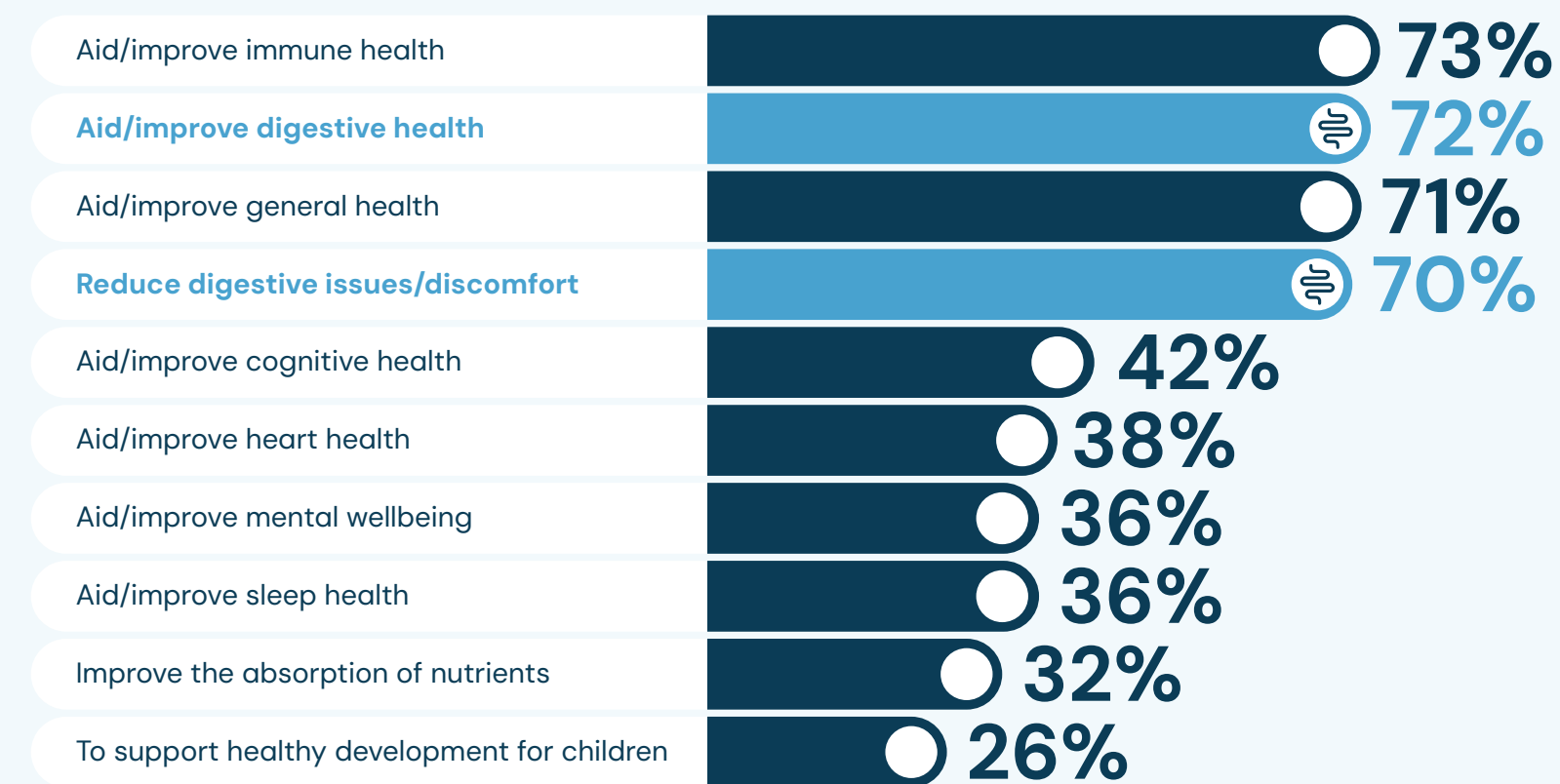
A product of dsm-firmenich's commitment to scientific advancements in the category, backed by a rich legacy of ingredient excellence, safety and credibility.

Postbiotics in a nutshell¹

- Postbiotics are deliberately inactivated microbial cells with or without metabolites or cell components that contribute to demonstrated health benefits.
- A postbiotic does not have to be derived from a probiotic for the inactivated version to be accepted as a postbiotic.
- The beneficial effects of a postbiotic on health must be confirmed in the target host – for example humans, companion animals and livestock.
- The site of action for postbiotics is not limited to the gut, however postbiotics must only be administered at a host surface, such as the oral cavity, gut, skin, urogenital tract or nasopharynx.
- Postbiotics must be tested for safety based on the intended use.

What benefits do you associate with postbiotics?

Top 10 answers – Consumers who have heard of postbiotics²



Key Facts Humiome® Post LB

- Combination of *L. fermentum* (CNCM I-2998) and *L. delbrueckii* (CNCM I-4831), also called *Lactobacillus* LB, culture medium fermentation including peptides, amino acids, carbohydrates carbon and minerals
- 60 billion inactivated bacteria per gram of powder
- 340 mg recommended daily dose

Key Advantages Humiome® Post LB

Good safety profile

- No risk of translocation
- No antibiotic resistance
- Compliant to self-GRAS and QPS statutes

Stable

- Suitable for harsh manufacturing & drying process
- Simplified storage without refrigeration

Recognized

- *Lactobacillus* LB is marketed and used by patients in almost 40 countries around the world
- Quoted in the ISAPP publication¹

Easy-to-use

- Dry powder form: can be used in any food, beverage or food supplement

Science-backed

- Strong evidence in digestive health



Global HfG market (2022–2027)

€9.7 billion retail value
4.7% CAGR³

Postbiotics Revenue⁴
US\$ 104.7 million
9.3% Expected market growth CAGR by 2026⁴

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A proprietary fermentation process

Our ECHO process enriches, concentrates and heat-stabilizes organisms



Proven efficacy

Clinical studies have shown that postbiotics can offer benefits across several therapeutic areas that include:

- Digestive health⁵
- Metabolic heart health⁶
- Immune health⁶
- Brain health⁷

Want to know more about how Humiome® Postbiotics can help you deliver Health from the Gut?



References

1. The International Scientific Association of Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of postbiotic; Salminen et. Al.
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5. Scott, E.; De Paepe, K.; Van de Wiele, T. Postbiotics and Their Health Modulatory Biomolecules. *Biomolecules* 2022, 12, 1640. <https://doi.org/10.3390/biom12111640>
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