

# Clinically validated postbiotic solution for Glucose Metabolism Support.

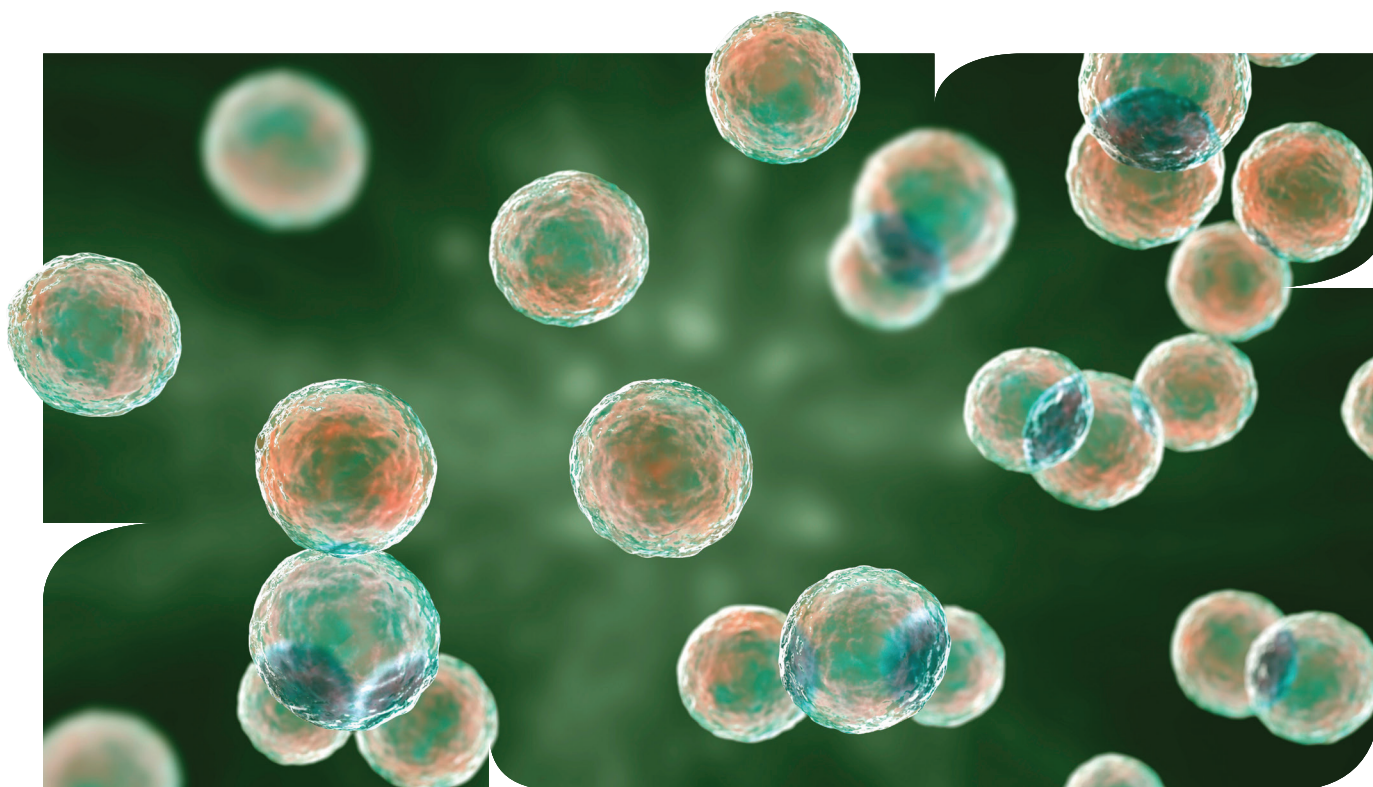
Functional ingredients designed for  
foods, beverages and supplements.



pA1c®HI

Metabolic health is becoming a priority for consumers and brands worldwide. As gut health becomes central to overall wellbeing, brands are looking for science-backed microbiome solutions that can support glucose metabolism in convenient formats.

pA1c®HI brings postbiotic innovation into real products: a clinically studied, heat-stable ingredient designed to support metabolic health through targeted microbiome modulation, while meeting the formulation needs of foods, beverages and dietary supplements.



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## What is pA1c®HI

pA1c®HI is Genbioma's proprietary postbiotic ingredient, composed of heat-inactivated *Pediococcus acidilactici*. It is designed to support glucose metabolism through microbiome modulation, combining strain-specific biological activity with the practical advantages of a non-live microbial ingredient.

As pA1c®HI does not rely on live-cell viability, it offers heat stability, consistency and formulation flexibility across a wide range of finished products.

From microbiome science to market-ready metabolic health products.

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## Industrial Value

pA1c®HI has been developed for finished-product performance. Its heat-inactivated nature enables a stable, standardized and easy to handle ingredient that can be integrated into existing manufacturing processes without the complexity associated with live microorganisms.

Its stability under demanding processing conditions, including pasteurization and UHT, supports formulation flexibility across different applications, helping brands develop differentiated metabolic health products with lower formulation risk.

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# Performance

pA1c®HI is designed to solve key formulation barriers in microbiome-based product development:

- Postbiotic format
- No live-cell viability limitations
- No cold-chain logistics
- Long shelf-life
- Compatible with pasteurization and UHT
- Low-dose application
- Neutral sensory profile
- Suitable for differentiated foods, beverages and dietary supplements

Microbiome science without probiotic formulation constraints.

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# Clinical Evidence

pA1c®HI is supported by robust preclinical and clinical research, with ongoing trials extending validation to additional consumers profiles.

Human studies with pA1c®HI have assessed key metabolic health parameters, including HbA1c, fasting glucose and insulin resistance markers, supporting its positioning as a clinically backed postbiotic solution for glycemic health.



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# Applications

pA1c®HI is designed for formulation flexibility across multiple metabolic health formats. Its heat stability, low dose and neutral sensory profile make it suitable for both dietary supplements and functional food & beverage applications. Potential applications include capsules, gummies, instant beverages, functional drinks, dairy and plant-based matrices, coffee formats and snacks bars. This versatility helps brands create differentiated microbiome-based products without the formulation constraints of live probiotic formats.

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# Positioning

A new generation of metabolic health innovation. pA1c®HI enables brands to move beyond conventional glucose-support formulas and create science-backed, microbiome-based products designed for today's functional nutrition market.

A validated  
solution for  
glucose control.  
Designed for  
real-world  
application.

**Genbioma®**

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