

# IN VIVO BIOTICS™

Revolutionizing probiotic supplements

IN VIVO BIOTICS™



# Meeting the growing demand for reliable supplements

Globally consumers are increasingly aware and interested in maintaining well-being and preventing disease in any stage of life. Dietary & food supplements play a key role to maintain and support healthy living in a modern society.

In response to this demand, we have developed IN VIVO BIOTICS™ – our brand for innovative synbiotic solutions.

- Functional combinations of probiotics – healthy gut bacteria – and additional synergistic and bioactive ingredients.
- Designed to re-enable the body's self-protecting competences through microbiome modulation and *in vivo* production of metabolites.

IN VIVO BIOTICS™ is based on scientific evidence and understanding of human health, our profound knowledge of consumer needs, and our expertise in developing targeted delivery solutions.

## IN VIVO BIOTICS™ BUTYRATE INTRINSIC BUTYRATE PRODUCTION



- Re-enables the human microbiome to produce butyrate to strengthen metabolic health, the immune system and mental health
- Synergistic combination of the highly effective strain ***Bacillus subtilis 32315*** and **L-alanyl-L-glutamine**
- Based on **microbiome modulation** the combination helps to shift the intestinal microbial community towards butyrate producers

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## IN VIVO BIOTICS™ RESOLVIN INFLAMMATION MANAGEMENT



- Helps to balance inflammation to healthy levels e. g., for gut or joint health
- Synergistic combination of our unique strain ***Bacillus megaterium DSM 32963*** and the highly bioavailable Omega-3 source **AvailOm®**
- Based on the **production of specialized pro-resolving mediators** (SPMs) this synbiotic enables sufficient, consistent and reliable production of resolvins from Omega-3 to maximize health benefits

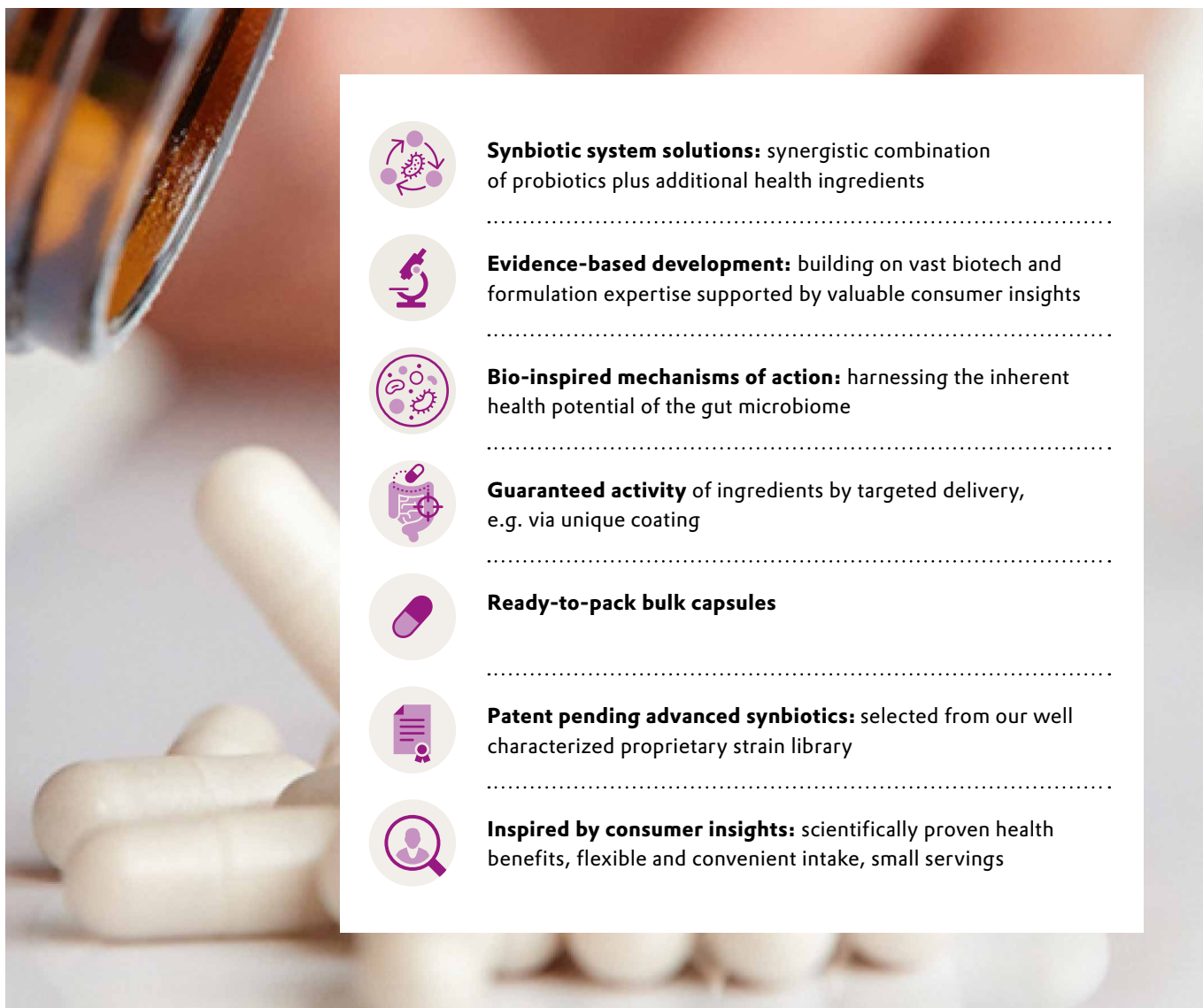
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## IN VIVO BIOTICS™ GLUTEN TOLERANCE GLUTEN DEGRADATION



- **Completely degrades gluten** free of residues in the gastro-intestinal tract to help people cope with gluten intolerances
- Unique combination of **proprietary probiotic strains** selected based on their complementary enzyme production
- Safe, natural, and robust bacterial strains characterized by **high resistance to stomach and bile acid**

# Evonik develops evidence-based synbiotic system solutions with novel mode of actions and guaranteed activity for healthy supplements



**Synbiotic system solutions:** synergistic combination of probiotics plus additional health ingredients



**Evidence-based development:** building on vast biotech and formulation expertise supported by valuable consumer insights



**Bio-inspired mechanisms of action:** harnessing the inherent health potential of the gut microbiome



**Guaranteed activity** of ingredients by targeted delivery, e.g. via unique coating



**Ready-to-pack bulk capsules**



**Patent pending advanced synbiotics:** selected from our well characterized proprietary strain library



**Inspired by consumer insights:** scientifically proven health benefits, flexible and convenient intake, small servings

## Consumer insights

Alongside products, we offer consumer insights which helps you to enter the market faster. This package consists of four key strands:

- **Consumer translation** to help you transferring the technology into your target group
- **Product positioning**, by using the right health claims for targeted communication
- **Consumer awareness**, shows the important ingredients within the field of application
- **Digital demonstrator**, suggested packaging design by analyzed insights

**Are you interested in finding out more about our synbiotic solution?**

Get in touch by visiting <https://healthcare.evonik.com/en/contact> or email [healthcare@evonik.com](mailto:healthcare@evonik.com) with your ideas for innovative synbiotic supplements.

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