

Pure foundations for life

Science led solutions for the first 1,000 days

Clinically substantiated solutions supporting infant gut health, microbiome development & immunity from day one

80% of healthcare practitioners recommend supplements to complement toddlers' diets

60% consider probiotics & HMOs important when recommending a supplement

+7% CAGR (Compound Annual Growth Rate) global infant supplement market growth '24-'29

Sources: HCP Global Survey 2025; Euromonitor; dsm-firmenich consumer study



Every feed, every day in the first 1000 days matters

The period from conception to the second birthday, known as the first 1000 days, represents a critical phase of biological development. The foundations for immune function, gut health, and neurodevelopment are not simply inherited; they are actively shaped by early nutritional exposures, microbial colonization, and the environment a child is born into.

The infant gut microbiome experiences its most significant and rapid maturation during the first year, a critical period for establishing lifelong physiological and immunological health.^{3"}

Yet not every baby begins this journey on equal footing. Delivery by caesarean section,⁴ early antibiotic exposure,⁵ and reduced breastfeeding⁶ can significantly alter the trajectory of microbiome colonization & development – with consequences that extend well beyond infancy.

Health benefit-led hero ingredients for infant and toddler supplements

Clinical evidence demonstrates that targeted biotic supplementation in early life can support optimal microbiome development, reduce incidence risk and duration of digestive health related symptoms, and support immune system maturation in at-risk infants.^{1,2,6}

Ingredient groups	Ingredients	Health benefits	Why dsm-firmenich
HMOs and biotics	GLYCARE® (2FL), Humiome® L. Reuteri, Humiome® L. Rhamnosus Humiome® Post LB	Gut microbiome support, digestive health, digestive comfort, immune health	Clean label formulations
Vitamins	Vitamin A, D, E, K1, B complex + C	Immune health, optimal growth & development, bone development	Infant & toddler scientific substantiation
Carotenoids	FloraGLO® Lutein, OPTISHARP® Zeaxanthin	Eye & visual development	Flexible delivery systems (Market ready solutions & tailored premix)
Algal DHA	life'sDHA™ S35/S40, life'sDHA™ B54-O100	Brain development, eye & visual development	

*Claims and ingredient usage in infant supplements is subject to country specific regulatory frameworks and dosage limits.

Trusted solutions for every parent's peace of mind



Available now
Digestive comfort

Clinically proven support from the very start

Baby PROdigest probiotic drops
With Humiome® *Lactobacillus reuteri* and *Lactobacillus rhamnosus*

The first months of life are foundational for gut and immune development. **Baby PROdigest** is designed to support infants during this critical window, using probiotic species that are among the most clinically studied in early life.

Clinically shown to:

- Reduce crying and fussing in infants with colic.^{1,2}
- Shorten the duration of diarrhea.^{1,2}
- Support intestinal barrier integrity and immune response
- Strains recommended by ESPGHAN for childhood diarrhea management.⁷

Format: liquid drops | **Age:** from birth (0+) | **Dose:** 7 drops/day | **Availability:** global | **Manufactured:** in the EU
Organic version 2026 | Colony Forming Unit (CFU): 250 million per day



Available soon
Digestive health & immunity

Gentle support when it matters most

Calm tummy baby drops
With Humiome® Post LB (postbiotic)

Digestive challenges can disrupt early development and family wellbeing. **Calm tummy baby drops** support digestive comfort in vulnerable moments, using a postbiotic with a long history of clinical use in infants and documented benefits backed by several clinical trials.^{8,9,10}

Clinically shown to:

- Shorten the duration of diarrhea in infants and young children by ~1 day.^{8,9}
- Protective action against pathogens – prevents intestinal epithelium adhesion.
- Support a healthy gut microbiota balance (strong bifidogenic effect).
- Active ingredient surviving stomach conditions.

Format: liquid drops | **Age:** from birth (0+) | **Dose:** 0.8ml × 2 per day corresponding to 20 billion inactivated cells of HumiomePostLB | **Cold chain:** not required | **CFU:** 340 mg (equal to 20bn cells) per day | **Manufactured:** in the EU.



Innovation 2027
Gut microbiome & immunity

Supporting the developing gut ecosystem from day one

Nature's allies – Lactobacilli & Bifidobacteria drops
Humiome® *L. Reuteri* + Humiome® *L. Rhamnosus* + *B. lactis B94* + *B. bifidum Rosell®-71*

A healthy start begins in the gut. **Nature's allies** bring together four clinically documented strains selected to support microbiota development, immune maturation, and digestive comfort in early life.

Inspired by the natural composition of the infant gut and guided by science, this concept reflects how early nutrition can help shape lifelong health, suitable for both breastfed and formula-fed infants.

Clinically shown to:

- Balanced gut microbiota development, assuring the presence of beneficial bifidobacteria in the infant gut **immune maturation**, including *B. bifidum Rosell-71* supported by 5 clinical studies demonstrating immune benefits.
- Human Milk Oligosaccharides (HMO) metabolism – *B. bifidum Rosell-71* can metabolize all different HMO groups.
- Made with 4 clinically tested strains in infants covering colic, gut comfort & microbiota development.

Format: liquid drops | **Age:** from birth | **CFU:** 500M CFU per day | **Availability:** global | **Manufactured:** in the EU.

Giving every infant the best start in life

The first 1,000 days shape lifelong health. That's why our early life nutrition solutions are grounded in science, inspired by nature, and designed to support infants when it matters most – from gut health and immunity to overall development.

We partner closely with customers and healthcare professionals to turn evidence into impact – for infants, parents, and generations to come.

Let's start the conversation.

Contact us to speak with one of our experts or to learn more about our early life nutrition portfolio.

dsm-firmenich has used diligent care to ensure that the information provided herein is accurate and up-to-date to the best of its knowledge. However, dsm-firmenich makes no representation or warranty, either expressly or implied, of the accuracy, reliability, completeness, or suitability thereof. The information provided herein contains scientific and product information for business-to-business use and does not constitute or provide scientific or medical advice, diagnosis or recommendation for treatment options. Country or region-specific information should be considered when labelling or advertising to final consumer. In no event shall dsm-firmenich be liable for any direct or indirect damages arising from or reliance upon, or use of, any information provided herein. The content of this document is subject to change without further notice. Please contact your local dsm-firmenich representative for the latest information. All trademarks listed in this document are either (registered) trademarks of, or trademarks licensed by, the dsm-firmenich group of companies, unless explicitly stated otherwise. © 2026 dsm-firmenich group.

1. Rosenfeldt V et al. *Pediatr Infect Dis J*. 2002;21:417–419. 2. Gerasimov S et al. *Nutrients*. 2018;10:1975. 3. Tamburini S et al. *Nat Med*. 2016;22(7):713–722. 4. Dominguez-Bello MG et al. *PNAS*. 2010;107(26):11971–11975. 5. Tanaka S & Nakayama J. *Gut Microbes*. 2017;8(3):205–216. 6. Pannaraj PS et al. *JAMA Pediatr*. 2017;171(7):647–654. 7. Szajewska et al. *JPGN*, 2023, Volume 76, Number 2. 8. Bouloche J et al. *Pediatric Annals*. 1994;41(7):457–463. 9. Simakachorn N et al. *J Pediatr Gastroenterol Nutr*. 2000;30:68–72. 10. Salminen S et al. *Nat. Rev Gastroenterol Hepatol*. 2021;18:649–667