

Our best protection for caesarean-born infants



HiPP ORGANIC COMBIOTIC®
Promotes the formation of a balanced
intestinal microbiota.

**NEW meta-analysis proves:
significantly fewer
gastrointestinal infections!**

**EVIDENCE-
BASED
APPROACH**

A good start for caesarean-born infants

A probiotic makes all the difference:
73 % lower incidence of gastrointestinal infections¹

- **Limosilactobacillus fermentum CECT5716** is a “pioneer” microbe and promotes the formation of a balanced intestinal microbiota.²
- A meta-analysis¹ published in 2022 shows: This **probiotic significantly reduces the risk of infections in caesarean-born infants.**

? Did you know ...?

1 in 3



Caesarean deliveries are on the increase.
Today, approximately 1 in 3 children in Germany, Austria and Switzerland is delivered by caesarean section.³

Proven protective effect

New evidence for a proven concept

A look into the individual studies

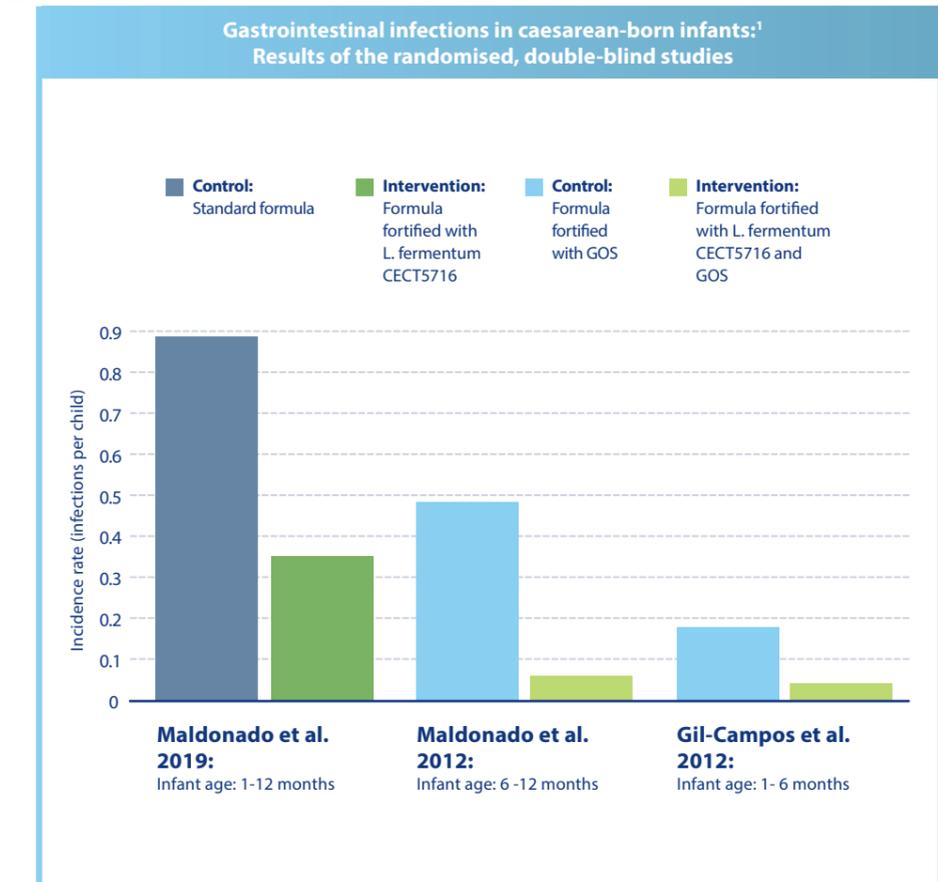
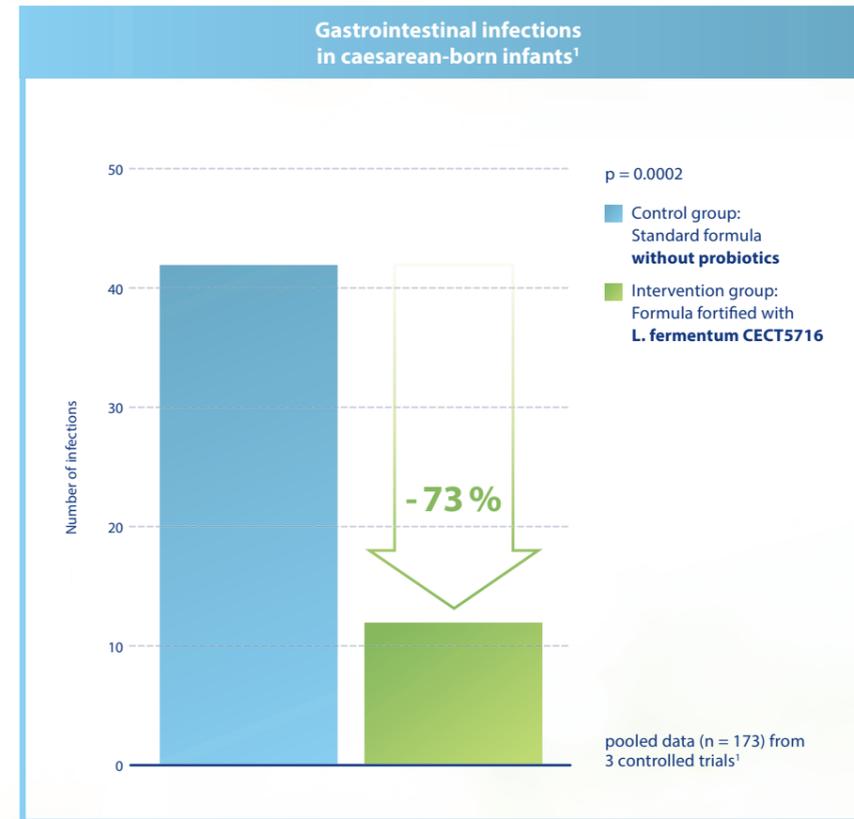
- The **meta-analysis¹** is based on **three randomised double-blind studies.**
- The preventive effect of the probiotic is shown in all studies.

” **Limosilactobacillus fermentum CECT5716 has become one of the most promising probiotics and it has been described to possess potential beneficial effects on inflammatory processes and immunological alterations.⁴**



Presentation of new study data at ESPGHAN 2022 – register and watch!

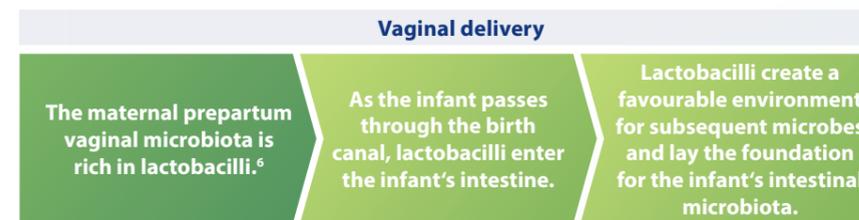
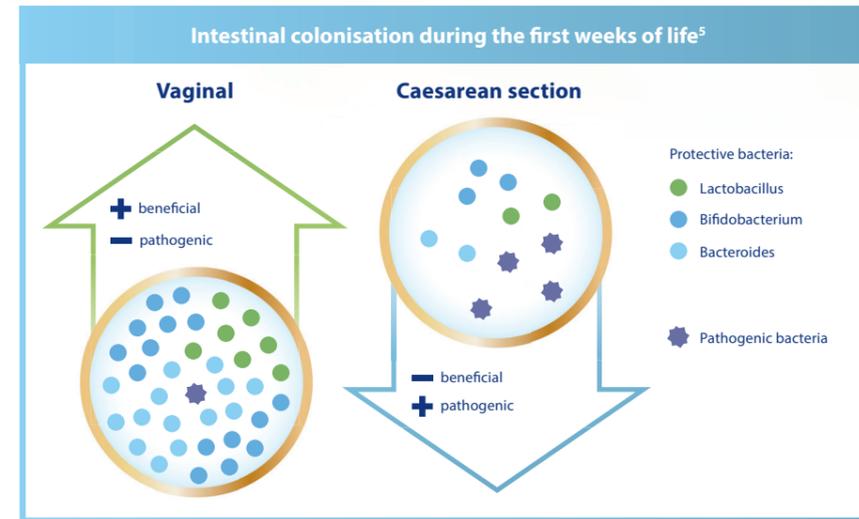
Optimum protection for caesarean-born infants



Caesarean-born infants start out with fewer lactobacilli in their system

Lactobacilli lay the foundation for a balanced intestinal microbiota

- The intestinal microbiota of newborns is composed of **microbes of maternal intestinal and vaginal flora**, which are transferred **during a vaginal birth**.
- With a **caesarean delivery**, there is **no bacterial transfer** of these **beneficial maternal microbes**.
- **Lactobacilli**, which play an important role in forming the intestinal microbiota, are **underrepresented** in caesarean-born infants.⁵



The crucial role of the early childhood intestinal microbiota

Studies support the importance of a balanced intestinal microbiota

- A balanced intestinal microbiota is important for the development of a **strong immune system**.
- An imbalance of intestinal microbiota in early childhood can have **negative long-term health consequences**.

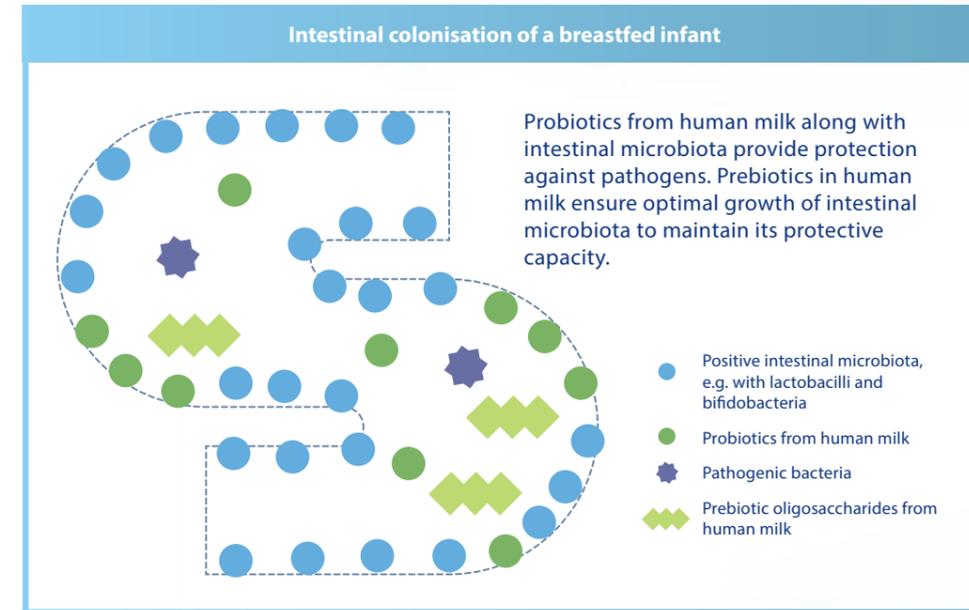
| Well-developed intestinal microbiota from day one: ^{7,8} | An unbalanced intestinal microbiota in early childhood increases the risk of: |
|---|---|
| Protects against infections in the first months of life | Infections, especially gastrointestinal infections ^{1,9} |
| Promotes the development of the gut-associated lymphoid tissue | Diarrhoea ¹⁰ |
| Protects against diseases in later life | Food allergies ¹¹ |
| | Asthma ¹² |
| | Atopic eczema ¹³ |
| | Diabetes ¹³ |
| | Obesity ¹³ |



The best start for caesarean-born infants thanks to pre- and probiotics

Ideally with human milk

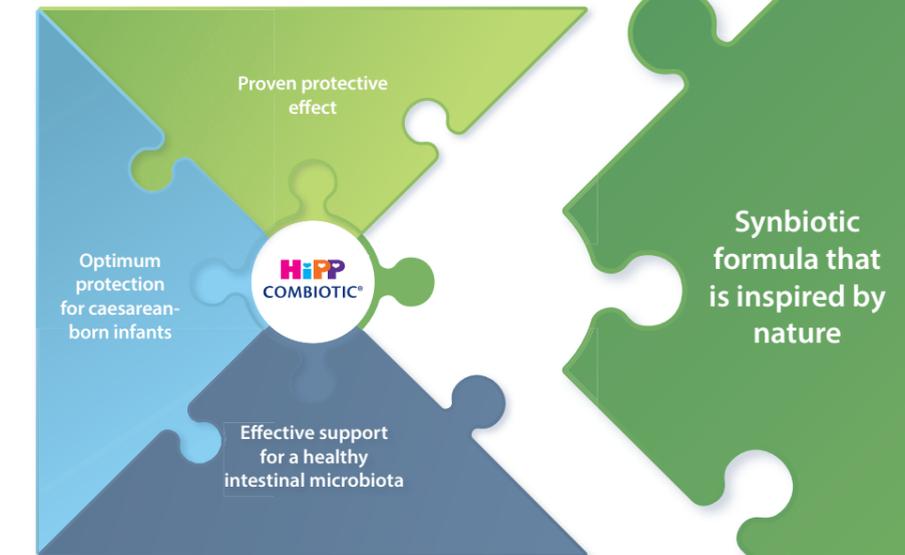
- **Human milk is synbiotic:** it contains prebiotics and probiotics.
- Breastfeeding partially offsets the **negative effects of a caesarean delivery.**¹⁴



Optimum protection for non-breastfed caesarean-born infants

HiPP ORGANIC COMBIOTIC® with *L. fermentum* CECT5716 and GOS – synbiotic and inspired by nature

- HiPP ORGANIC COMBIOTIC® contains a **unique combination** of the probiotic ***L. fermentum* CECT5716** and the prebiotic GOS (galacto-oligosaccharides).
- HiPP ORGANIC COMBIOTIC® **promotes** colonisation of the intestine with **protective bacteria**^{15, 16}
- and **protects against gastrointestinal infections.**^{1, 15, 16}
- HiPP ORGANIC COMBIOTIC® is ideally **suited to meet the needs of caesarean-born infants.**



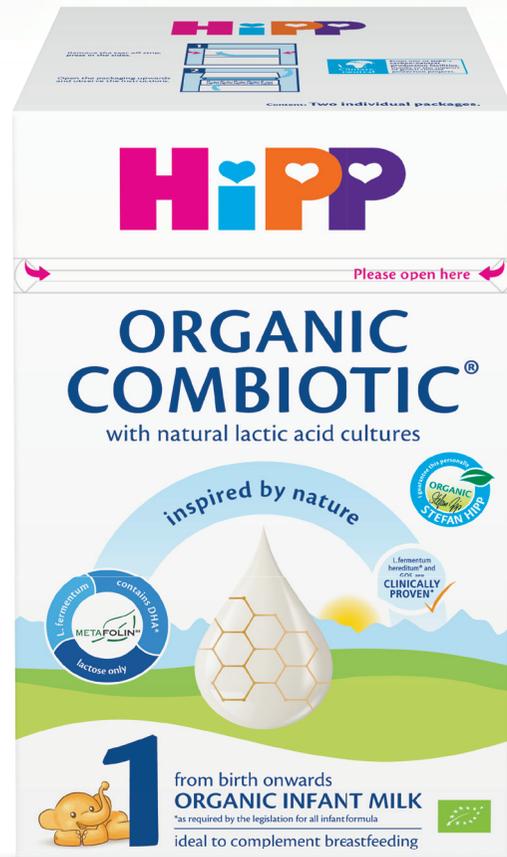
Formula fortified with *L. fermentum* CECT5716 and GOS¹⁵



HiPP ORGANIC COMBIOTIC®

Effective support for a healthy intestinal microbiota

HiPP
COMBIOTIC®



Unique

a unique composition of L. fermentum and GOS that is inspired by nature



Proven

a concept to support intestinal microbiota, tried-and-tested for 10 years



Rounded off

with a bioactive folate form that is also found in human milk



Watch this video to learn more about the advantages of HiPP ORGANIC COMBIOTIC®.



Important information:

Breastfeeding is best for babies. A balanced diet during pregnancy and after birth promotes lactation. Women who do not wish to breastfeed should be informed that it is difficult to reverse that decision. It is important for women to know that the complementary feeding of formula could compromise their breastfeeding success.

Infant formula should only be given upon the advice of independent experts. Advise parents on how to prepare the formula and note the important information and instructions on the packaging. Incorrect preparation of formula can be harmful to babies' health.

Sources:

¹ Blanco-Rojo R et al. Front. Pediatr. 2022; 10: 906924. doi: 10.3389/fped.2022.906924.

² Blaut M & Loh C in: Bischoff SC: Probiotika, Präbiotika und Synbiotika; Thieme 2009; 2–23.

³ OECD (2022), Caesarean sections (indicator). doi: 10.1787/adc3c39f-en (Accessed on 05 July 2022).

⁴ Rodríguez-Sojo MJ et al. Nutrients. 2021; 13(3): 1016. doi: 10.3390/nu13031016.

⁵ Yang B et al. Int J Mol Sci 2019; 20, 3306; doi:10.3390/ijms20133306.

⁶ Prince AL et al. Semin Reprod Med 2014; 32: 14–22.

⁷ Houghteling PD et al. JPGN 2015; 60: 294–307.

⁸ Gensollen T et al. Science 2016; 352: 539–544.

⁹ Christensen N et al. Pediatr Infect Dis J 2018; 37: 316–323.

¹⁰ Laubereau B et al. Arch Dis Child 2004; 89: 993–997.

¹¹ Mitselou N et al. J Allergy Clin Immunol 2018; 142: 1510–1514.

¹² Sandall J et al. Lancet 2018; 392: 1349–1357.

¹³ Collado MC et al. Gut Microbiol 2012; 3: 352–65.

¹⁴ Liu Y et al. Front Microbiol 2019; 10:598. doi: 10.3389/fmicb.2019.00598.

¹⁵ Maldonado Jet al. JPGN 2012; 54: 55–61.

¹⁶ Gil-Campos M et al. Pharmacol Res 2012; 65: 231–238.