Safety is our most important ingredient

HiPP ORGANIC COMBIOTIC®
Now rounded off with Metafolin®

Science and nature hand in hand

Information for healthcare professionals

* Metafolin® is a registered trademark of Merck KGaA, Darmstadt, Germany.
Safety through research, innovation and experience

Our milestones in developing our formulae:

- **2002**: pioneering use of probiotic lactic acid cultures originally obtained from human milk**

- **since 2011**: development of HiPP ORGANIC COMBIOTIC® – with a unique combination of Limosilactobacillus fermentum and GOS

- **2021**: new and only from HiPP – HiPP ORGANIC COMBIOTIC® now rounded off with Metafolin®

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**Human milk contains a large number of natural lactic acid cultures that can vary from mother to mother.

A safe and proven composition

HiPP ORGANIC COMBIOTIC®
Science and nature hand in hand

Support of baby’s natural development

Effective support for a healthy intestinal flora

A composition inspired by nature

A tried-and-tested concept for proven safety

HiPP Research Group on Human Milk:
understanding nature’s example.

- Running for over 10 years
- In partnership with specialists from around the world
- 2007: pre- and probiotics identified as key factors influencing intestinal health

For more information, including reports from the research group, visit [hipp.com](http://hipp.com)
Section: Studies
The safe next step in our human milk research

Folate: crucial for cell division and tissue growth¹ ... 

DNA synthesis  Cell division  Blood formation  Protein synthesis

... and therefore indispensable, especially in the early stages of development!

Ideal folate form: 5-MTHF
- it does not need to be metabolised
- it is immediately available to the body

While trying to get pregnant and during pregnancy

Birth

While breastfeeding

Preventing neural tube defects: 5-MTHF supplementation

Ideal infant development: 5-MTHF in human milk

NEW: HiPP ORGANIC COMBIOTIC® with Metafolin®

Natural folate form (5-MTHF) as found in human milk: immediately available and safe.

Safety is the top priority at HiPP:
Metafolin® is safe for use in formula²!

For our HiPP ORGANIC COMBIOTIC® we use the most advanced folate form – Metafolin®:
✓ a calcium salt of 5-MTHF
✓ it is a bioactive form of folate
✓ it corresponds to the main folate form in human milk, making it ideally suitable for use in formula³

For more information on Metafolin®, scan:

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The safe choice for a healthy intestinal microbiota

Building up the intestinal microbiota from day one is vital, as over 90% of immunocompetent cells are located in the intestine.

A well-developed intestinal microbiota provides optimum protection:
- promotes the development of the immune system\textsuperscript{4, 5}
- protects against intestinal infections\textsuperscript{4}

What influences the intestinal microbiota?
- type of birth (vaginal or caesarean section)
- whether the child is breastfed or bottle-fed
- composition of formula (standard, prebiotic, probiotic or synbiotic)

A safe and effective composition

HiPP ORGANIC COMBIOTIC\textsuperscript{®} with its symbiotic composition of pre- and probiotics – galacto-oligosaccharides (GOS) and Limosilactobacillus fermentum – promotes a healthy intestinal microbiota and increases tolerability.

The prebiotic GOS supports the developing digestive system and leads to:\textsuperscript{7-10}
- less colic
- increased stool frequency
- softer stool consistency and a stool colour similar to that of breastfed children

Clinical studies prove that the symbiotic combination of prebiotics and probiotics in HiPP ORGANIC COMBIOTIC\textsuperscript{®}:
- increases the number of beneficial bacteria in the intestine\textsuperscript{11}
- significantly reduces gastrointestinal infections\textsuperscript{11, 12}
- is significantly better than only using prebiotics (GOS)\textsuperscript{11, 12}

Caesarean-born infants had an intestinal microbiota that more closely resembled the maternal skin microbiota rather than the maternal vaginal flora.\textsuperscript{6}
Definitely the ideal combination

N**atural probiotic**
- Limosilactobacillus fermentum hereditum® CECT5716
- unmodified natural lactic acid culture from human milk\(^1\)–\(^3\)
- a primary coloniser of the intestine\(^4\)
- supports a healthy intestinal flora\(^5\)
- contributes to a modulation of immune response\(^6,\)\(^7\)

**Proven prebiotic: GOS**
- galacto-oligosaccharides obtained from organic lactose
- stool consistency and frequency similar to breastfed children\(^8,\)\(^9,\)\(^10,\)\(^17\)
- promotes the growth of beneficial intestinal bacteria\(^7,\)\(^9,\)\(^17\)
- proven to be safe\(^20\)

**Appropriately low protein content**
- < 2.0 g/100 kcal, tailored to physiological needs\(^21\)
- obtained from high-quality organic milk and organic whey

**Omega-3 and omega-6 LCPs**
- evidence-based and recommended\(^22\)
- important for brain and nerve tissue development, as well as visual development
- optimum ratio of omega-3 and omega-6 LCPs (DHA and ARA)

HiPP ORGANIC COMBIOTIC® supplies all the key, high-quality macro- and micronutrients in the appropriate quantities.

**Why use palm oil in formulae?**
- Palm oil is the best source of palmitic acid.
- The aim is to achieve a palmitic acid content similar to that of human milk.
- ESPGHAN\(^*\) confirms that palm oil is suitable for use in formulae\(^28\)

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\(^*\) ESPGHAN – European Society for Pediatric Gastroenterology, Hepatology and Nutrition
Babies’ safety and wellbeing come first

Multiple studies over a number of years prove that HiPP ORGANIC COMBIOTIC® represents the highest quality:

- long-term studies demonstrate that the combination of GOS + L. fermentum is safe
- proven tolerability of the combination of GOS + L. fermentum
- new: with Metafolin® – a bioactive folate source that is inspired by nature

**PROVEN BENEFICIAL EFFECT**

- can colonise the human intestine
- strengthens the integrity of the intestinal mucosa
- protects against intestinal infections
- contributes to modulation of immune response
- promotes the growth of Bifidobacteria and Lactobacilli (bifidogenic effect)
- helps produce stool consistency and frequency similar to breastfed children
- helps reduce the stool pH value
- has a beneficial effect in preventing infant colic
- positively influences the microbiota by promoting the growth of Lactobacilli and Bifidobacteria
- helps reduce the frequency of infections compared to prebiotic (GOS) alone (diarrhoea and/or respiratory problems)

Metafolin® is safe for use in formulae. Compared to formulae with synthetic folic acid, infants with Metafolin® develop equally well.

For more information, see our scientific dossier or visit hcp.hipp.com

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A safe and ideal composition

- High-quality protein
- Proven prebiotics: GOS from organic lactose
- Natural probiotic L. fermentum
- Omega-3 and omega-6 LCP fatty acids
- Metafolin® for natural development

< 2.0 g/100 kcal, tailored to physiological needs

Safety assessment by FDA (GRAS)

Safety assessment by EFSA (QPS) and FDA (GRAS)

Docosahexaenoic acid (DHA) and arachidonic acid (ARA) as per current scientific recommendations

Safety confirmed by clinical study and EFSA/EU.
Important information

Breastfeeding is best for a baby. 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 formulae should only be given upon the advice of independent experts. Advise women 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

20. FDA. 2008; GRAS Notices GRN No. 236.
35. FDA. 2015; GRAS Notices GRN No. 531.

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