

To balance the infant immune system

HiPP HA COMBIOTIC[®] with extensively hydrolysed protein

> EFSAconfirmed safety & suitability.¹

Science and nature hand in hand

Information for healthcare professionals

YEARS OF

Extensive hydrolysate

EFSA confirms the safety and suitability of HiPP hydrolysate¹



Extensively hydrolysed (whey) protein was studied in a multicentre, double-blind, randomised, controlled **clinical safety study.**



HiPP hydrolysate leads to **normal growth** and **normal development** in healthy infants.

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EFSA confirms the safety and suitability of HiPP hydrolysate.



Extensively hydrolysed protein

An extensively hydrolysed protein should be sufficiently broken down to allow a balance between proinflammatory and tolerogenic immune responses.²

Possible degrees of protein hydrolysis in formulas





Prevention Treatment

HA COMBIOTIC®

Minimised risk of sensitisation

First contact: sensitisation



A formula containing **extensively hydrolysed protein** has the potential to avoid **sensitisation of mast cells.**

HiPP HA COMBIOTIC®

* without probiotics

Significantly reduced release of allergy mediators

Second contact: allergic reaction



Extensively hydrolysed formula + GOS + *L. fermentum* induces the lowest release of allergy mediators.



** expression of β-hexosaminidase

The intestine – the source of our health

A balanced intestinal microbiota is the bedrock for a strong immune system, as over 80% of immunocompetent cells are located in the intestine.





A stronger intestinal barrier

HiPP HA COMBIOTIC®

The protective shield against allergies

A healthy intestinal microbiota strengthens the intestinal barrier and protects the infant from pathogens and potential allergens.



L. fermentum **lowers the pH value** in the intestine. This makes it more difficult for pathogenic bacteria to colonise it.⁵



L. fermentum attaches to the intestinal wall and **crowds out potentially pathogenic bacteria**.⁶ *L. fermentum* **promotes the formation of mucus** in the intestinal mucosa, thereby creating a healthy barrier against allergens and pathogens.^{6,7}



GOS promote the **growth of beneficial intestinal bacteria** (e.g. lactobacilli and bifidobacteria).⁸⁻¹¹

The WAO guideline also suggests using prebiotics and probiotics to prevent



Effective protection against allergens

The synbiotic combination of the natural probiotic *L. fermentum* and the tried-and-tested prebiotic GOS effectively strengthens the intestinal barrier. The stronger the barrier, the lower the allergy risk.





A strong intestinal barrier protects against penetration of unwanted pathogenic bacteria and allergens.

Significance le * p≤0,05



A stronger intestinal barrier

HiPP HA COMBIOTIC®

* without probiotics

A balanced immune system HiPP HA COMBIOTIC®

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The **immune-friendly protein hydrolysate in** HiPP HA COMBIOTIC[®] is extensively hydrolysed and induces a **much lower release of allergy mediators.**²



The **tried-and-tested concept** of pre- and probiotics, which is inspired by nature, **supports the intestinal microbiota and immune system.**^{14,15}





HiPP HA COMBIOTIC®

has the potential to prevent mast cell sensitisation.²

The **intestinal barrier** is effectively reinforced **to prevent the penetration of allergens** and unwanted bacteria.⁷



Ideal combination For the infant immune system



Reduced allergenic activity of the extensive hydrolysate and **strengthening of the intestinal barrier through pre- and probiotics**!

HiPP HA COMBIOTIC®

Science and nature hand in hand Our recipe has evolved!

- Low protein content, adapted to the physiological needs
- DHA and AA as per current scientific recommendations¹⁶
- EFSA-confirmed safety and suitability¹



INNOVATIVE

since 2002: Use of probiotic lactic acid cultures originally obtained from human milk*



UNIQUE

composition of pro- and prebiotics that is inspired by nature



ROUNDED OFF

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



Our goal: to fully understand nature's example – human milk

- more than 10 years of intensive research by HiPP's Research Group on Human Milk
- in partnership with specialists from around the world

For more information, including reports from the research group, visit: hipp.com/hcp Section: Studies







EFSA-confirmed safety and suitability¹



Stringently controlled



Scientifically



HIPPP HARDER HAR

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.

References:

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