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Lactoferrin

Data Sheet

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For your universal protection

As one of the most valuable proteins in the body, lactoferrin is a natural component of the immune system.

CLN® has proven to have the highest purity and bioactivity

Lactoferrin CLN® is extracted with Europe's most advanced processing equipment, purified, and harmful contaminants (e.g., angiogenin) are completely removed

- Part of the body's own immune system
- Highly pure (97%+)
- Natural iron binder and transporter
- Iron binding
- Completely depleted of angiogenin

What is Lactoferrin?

Lactoferrin is a multifunctional glycoprotein and as an **immune protein older than humanity itself**. We therefore see Lactoferrin as the ideal companion in the modern world. As infants, we already absorb it through breast milk. Thanks to the **gastric acid-stable capsule**, LFERRIN reaches where it is needed - the center of our immune system: the intestine.

As one of the most valuable proteins in the body, Lactoferrin is **a natural component of the immune system**. Its optimal effectiveness is only achieved with high purity. We achieve this with our LFERRIN through a **state-of-the-art extraction and purification process**.

Our species-appropriate Lactoferrin LFERRIN CLN® is produced in Germany using a **high-tech extraction and purification process**, in **Europe's most modern processing plant**, extracted and purified. Thanks to this gentle and complex process, LFERRIN demonstrably shows the **highest Lactoferrin content and purity (97%+)** compared to other products. At the same time, harmful Angiogenin is completely removed and depleted in CLN®. Although it is derived from milk or whey, **even people with lactose intolerance** can consume it.¹

With Lactoferrin CLN® you receive the protection of breast milk for adults:

Lactoferrin is an immune protein older than humanity itself. Increased LF concentration is found **in breast milk; already as newborns and infants**, we absorb it through breast milk

as the 'first immune system'.

Why Lactoferrin from artgerecht?

- Natural component of the body's immune system
- Highly purified Lactoferrin CLN® in premium quality (purity level 97%+)
- Highest bioactivity
- Free from harmful contaminants (i.e. Angiogenin)
- Manufactured using high-tech extraction & purification processes
- Lactose-free¹ & without artificial additives
- Listed on the Cologne List®
- Iron binding

Scientific background to Lactoferrin?

Lactoferrin is an endogenous immune protein and – older than humanity itself – a primordial substance of the human immune system. The first large portion is administered to humans via breast milk. Lactoferrin is produced in small amounts by the body itself and is found in nearly all bodily fluids, such as tears or saliva. Additionally, lactoferrin belongs to the group of transferrins, the so-called iron transporters, and possesses strong antioxidant properties.

All mammals produce lactoferrin. We obtain our lactoferrin resource-efficiently from cow's milk and purify the protein through a multi-stage, gentle purification process to filter out impurities. We use acid-resistant capsules to maximize absorption in the intestines. The capsule made of hydroxypropylmethylcellulose ensures that it is absorbed only in the small intestine, where it can unfold its full spectrum of properties.

Lactoferrin is one of the most valuable endogenous proteins and **an essential natural component of the innate immune system** and has **various immune-regulating properties** as well as strong antioxidant functions.

Frequently Asked Questions

What is Lactoferrin?

Lactoferrin is a natural protein and – older than humanity itself – a primordial substance of the human immune system. The first large portion is administered to humans through breast milk. Lactoferrin is produced in small amounts by the body and is found in almost all bodily fluids, such as tears or saliva. Since human and bovine (cow's milk) lactoferrin are nearly identical (chemically similar), we extract the protein from cow's milk. Additionally, lactoferrin belongs to the group of transferrins, the so-called iron transporters.

If humans have only received lactoferrin through breast milk in their history, why should we take it as adults today?

Our immune system is designed for middle age, not the old age that many people reach today. Furthermore, it has never faced so many challenges like environmental pollutants or everyday stress. On top of that, we move far less compared to our ancestors. In terms of nutrition, we also don't always get enough of the nutrients that are important for us. Over time, this can be stressful and place a significant strain on our immune system.

How is lactoferrin obtained and why is it purified?

All mammals produce lactoferrin. We obtain our lactoferrin resource-efficiently from cow's milk

and purify the protein using a multi-stage, gentle purification process to filter out impurities. This removes, for example, attached parts of bacteria and their components. To prevent lactoferrin from becoming useless in stomach acid after ingestion, we use an acid-resistant capsule. It is thus only absorbed in the small intestine, where it can unfold its full spectrum.

Can lactoferrin be used during pregnancy?

Our lactoferrin can be taken during pregnancy and breastfeeding after consulting with a doctor or therapist. Since we predominantly use natural substances in all our products, we are one of the safest brands.

Is the cow's milk from which Lactoferrin CLN® is obtained organic milk?

No, we do not source our lactoferrin from organic milk, but we ensure the highest quality when selecting our dairy supplier. The reason is practical: To produce lactoferrin in large quantities, more organic milk would be required than dairies typically produce. Our lactoferrin comes from whey, a by-product created during cheese production.

Since lactoferrin is obtained from cow's milk, can I just drink milk?

Unfortunately, no, because the lactoferrin present in very small doses per liter in regular milk is destroyed during the processing of (H-)milk.

Is lactoferrin also suitable for children?

In principle, our products are developed for adults. However, lactoferrin is absorbed through breast milk and is also added to many baby foods and infant milk formulas. It is recommended to consult with the treating pediatrician.

Is it beneficial to additionally supplement iron?

Iron salts as supplements are poorly bioavailable and often cause side effects (gastrointestinal issues). We recommend our NATURAL IRON, which has been developed with lactoferrin as transferrin and plant-based curry leaf iron. Plant-based iron is metabolized through a separate receptor pathway and is more tolerable and bioavailable. The included vitamin C enhances iron absorption.²

What is the difference between colostrum and lactoferrin?

Colostrum (also called colostrum) is the first milk that mammals produce after birth. This special milk contains a variety of vital and defense substances such as vitamins, minerals, and immune proteins that support the newborn in building a stable immune system. An important component is lactoferrin, an iron-binding protein that inhibits the growth of certain bacteria and strengthens the immune defense. In contrast to colostrum, which provides a complete nutrient profile for initial supply, lactoferrin is an isolated immune protein that is also found in other bodily fluids such as saliva. In dietary supplements, cow colostrum is often used because it resembles human colostrum and is well-tolerated. Only the excess amount, which the calf does not need, is used for colostrum and lactoferrin products.

What is Apo-Lactoferrin or Holo-Lactoferrin?

Lactoferrin, a versatile glycoprotein, primarily exists in two forms: iron-unsaturated (apo-lactoferrin) and iron-saturated (holo-lactoferrin). Apo-Lactoferrin has the ability to effectively bind iron, developing antimicrobial properties by depriving pathogenic organisms of essential iron. Holo-Lactoferrin, on the other hand, already contains bound iron and promotes iron absorption in the body. Both forms are essential for regulating iron metabolism and strengthening the immune system.

Accordingly, for iron deficiency or iron-deficiency anemia, iron-saturated holo-lactoferrin (NATURAL IRON) is recommended, while for supporting the immune system, the immunoregulatory properties of iron-unsaturated apo-lactoferrin (LFERRIN) are emphasized.

CLN®: ein Immunprotein ohne Kompromisse

CLN® ist das Synonym für kompromisslose Qualität und spiegelt sich im gesamten Produktportfolio, nicht nur Lactoferrin, bei artgerecht wieder. Die Reinheit von Lactoferrin ist essenziell, um sicherzustellen, dass der Körper es optimal verwerten kann. Durch ein aufwendiges Reinigungsverfahren bleibt das Lactoferrin in seiner natürlichen, reinen und bioaktiven Form erhalten. Das Ergebnis ist ein hochreines Lactoferrin, welches ohne Kompromisse alle positiven Eigenschaften dieses Immunproteins beibehält und eine natürliche Unterstützung für Ihr Immunsystem bietet.

CLN®: Reiner als Säuglingsnahrung

Lactoferrin CLN® wird unter strengen Standards produziert, verarbeitet und auf über 97% aufgereinigt.

Lactoferrin wird, als natürlicher Bestandteil des Immunsystems sowie der Muttermilch, heutzutage in Säuglingsnahrung zugesetzt. Zum Vergleich; der internationale Standard für Lactoferrin-Zusatz in Babynahrung liegt bei lediglich 95%.

CLN®: Frei von Verunreinigungen

Lactoferrin CLN® ist nur reiner als Vergleichsprodukte, sondern aufgrund des Aufreinigungsverfahren auch vollständig frei von Angiogenin sowie Endotoxinen. Gemessen wird dies über mit sogenannter HPLC (High Performance Liquid Chromatography). Es ist zudem frei von schädlichen Zusatzstoffen, künstlichen Füllmitteln, Farb- oder Konservierungsstoffen, die den Körper belasten könnten.

CLN®: Höchste Bioaktivität

Neben der Reinheit spielt auch die Bioaktivität von Lactoferrin eine entscheidende Rolle. Nur bioaktives Lactoferrin kann vom Körper ideal aufgenommen und verwendet werden. CLN® setzt daher auf ein zwei-stufiges, schonenderes, Herstellungsverfahren, die sicherstellen, dass die natürliche Struktur und Funktionalität des Immunproteins bewahrt werden. Auf molekularer/ biochemischer Ebene bedeutet dies keine Proteinbruchstücke, kein denaturiertes Protein.

Ingredients

Lactoferrin CLN® from cow's milk¹, capsule shell: Hydroxypropylmethylcellulose.

Content	Per Daily Dose (2 Capsules)
Lactoferrin CLN® from Cow's Milk	400 mg (200 mg/Cap)

Recommended intake

Take one capsule twice daily (total of 400 mg) with 150 ml of water on an empty stomach. The first dose should be taken right after waking up. The second dose should be taken 30 minutes before the last meal or before going to bed.

Additional information

- SKU/MPN: 15016
- Content: 120 Capsules
- Net filling quantity: 32 g
- EAN/GTIN: 4260474152360
- PZN (DE): 16868367
- PZN (AT): 5263218
- Customs tariff number: 21069098

- Origin: DE
- Version: 18.12.2025



1) Lactose content under 0.1 g / 100 g²⁾ Correspond to the health claims of the European Commission, confirmed by the European Food Safety Authority (EFSA)