

coralclub



Colostrum Plus

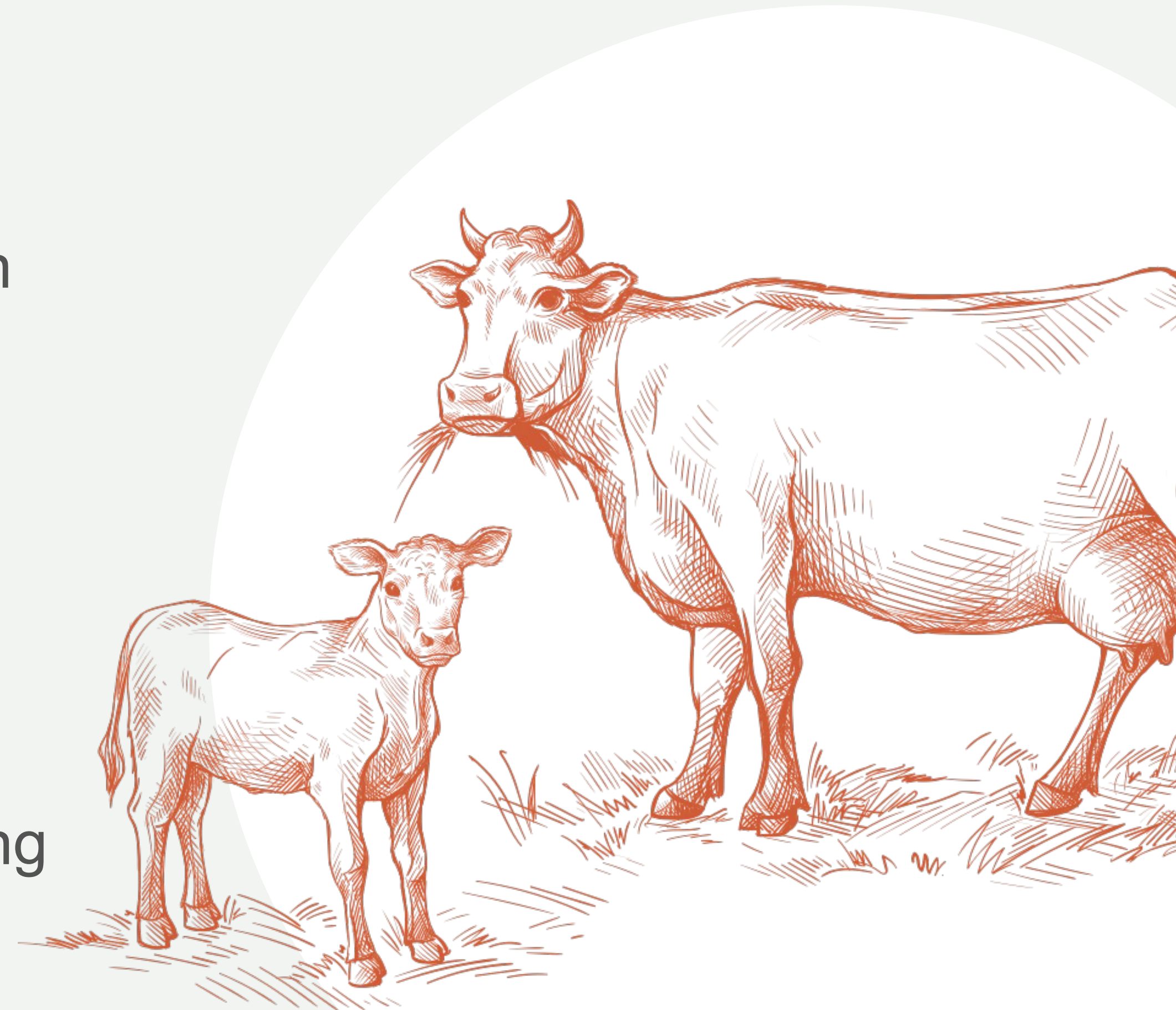
PLUS to your immunity

IMMUNITY FROM BIRTH

Colostrum is the first breast milk and the first food of all mammals.

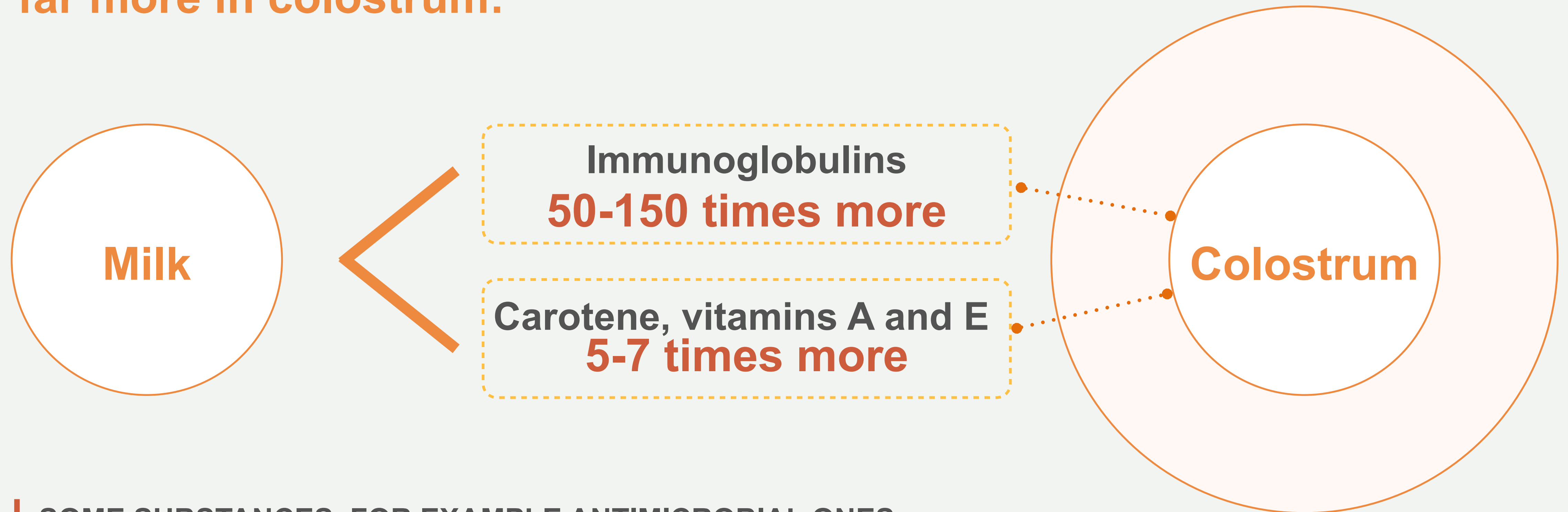
Right from the first days of life, it protects a newborn from negative environmental factors and **helps to mature its own immune system.**

Colostrum **contains high concentrations of nutrients**, such as vitamins, minerals, and immune components. In bovine colostrum, the highest concentration of these substances is observed during the first 48 hours after calving.



COLOSTRUM VS MILK

Colostrum differs from milk in nutritional value and in the content of immune components, which are **far more in colostrum:**



! SOME SUBSTANCES, FOR EXAMPLE ANTIMICROBIAL ONES, ARE NOT PRESENT AT ALL IN ORDINARY MILK.

COMPOSITION OF COLOSTRUM

Colostrum

Immune components

immunoglobulins IgG1, IgG2, IgM, IgA, antimicrobial factors (lysozyme, lactoferrin, lymphocytes), growth factors, transfer factors

Vitamins

A, C, D, E, H, B-group

Minerals

Ca, K, Mg, P, Zn, Mn, Fe, Cu, Co

Enzymes

peroxidase, reductase, catalase, lipase, phosphatase, lactase, peptidase

Highly digestible fats and carbohydrates

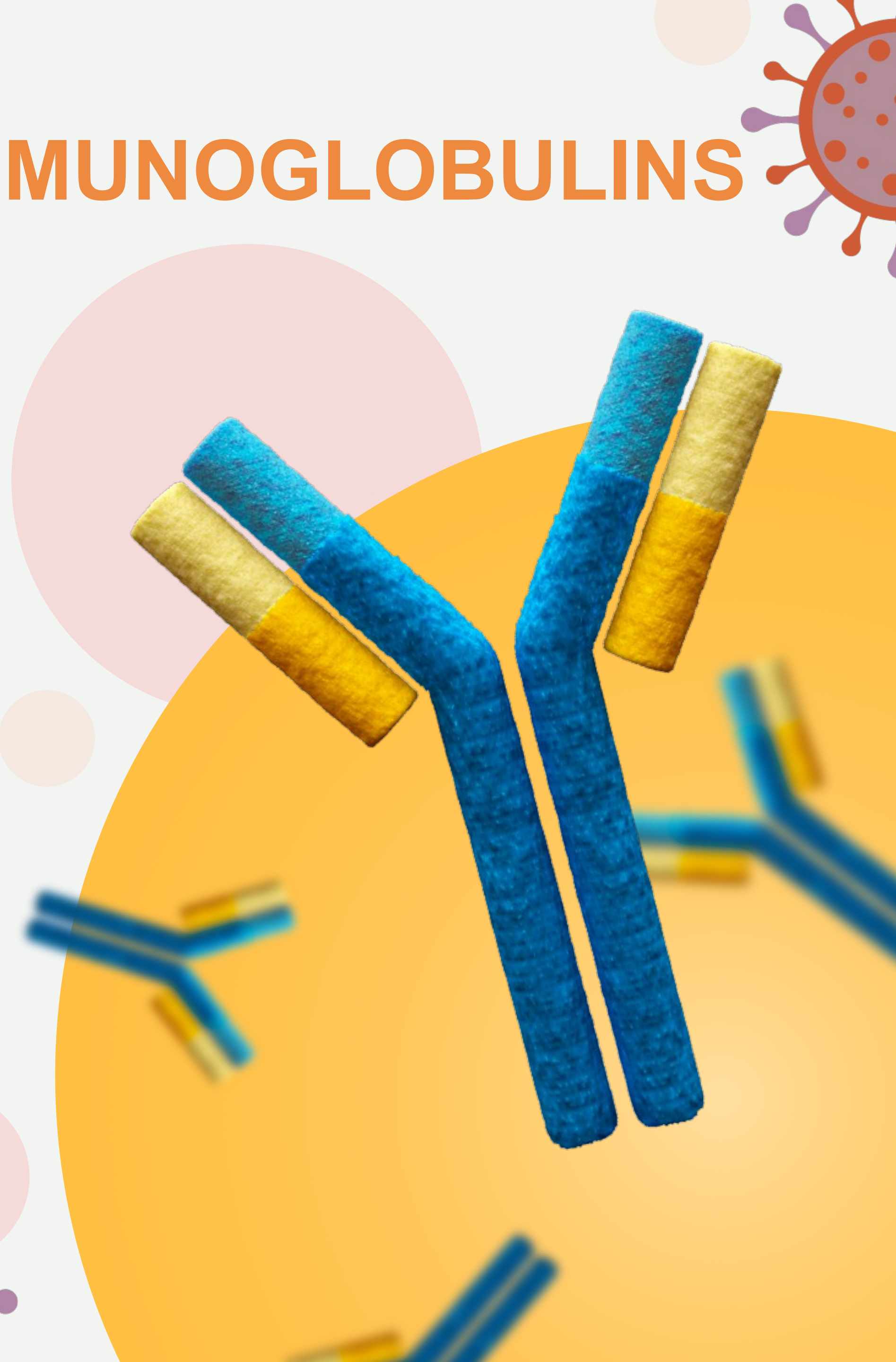
COMPOSITION OF COLOSTRUM : IMMUNOGLOBULINS

Immunoglobulins (antibodies, Ig)

are protein components produced by immune cells in response to antigens (bacteria, viruses, toxins) entering the body.

Antibodies bind to antigens and prevent their reproduction, as well as neutralizing the toxic substances they release.

! IMMUNOGLOBULINS MAKE UP 70-80% OF THE TOTAL PROTEIN CONTENT IN COLOSTRUM, WHEN IN ORDINARY MILK THEIR CONTENT IS ONLY 1-2%.



COMPOSITION OF COLOSTRUM: ANTIMICROBIAL FACTORS

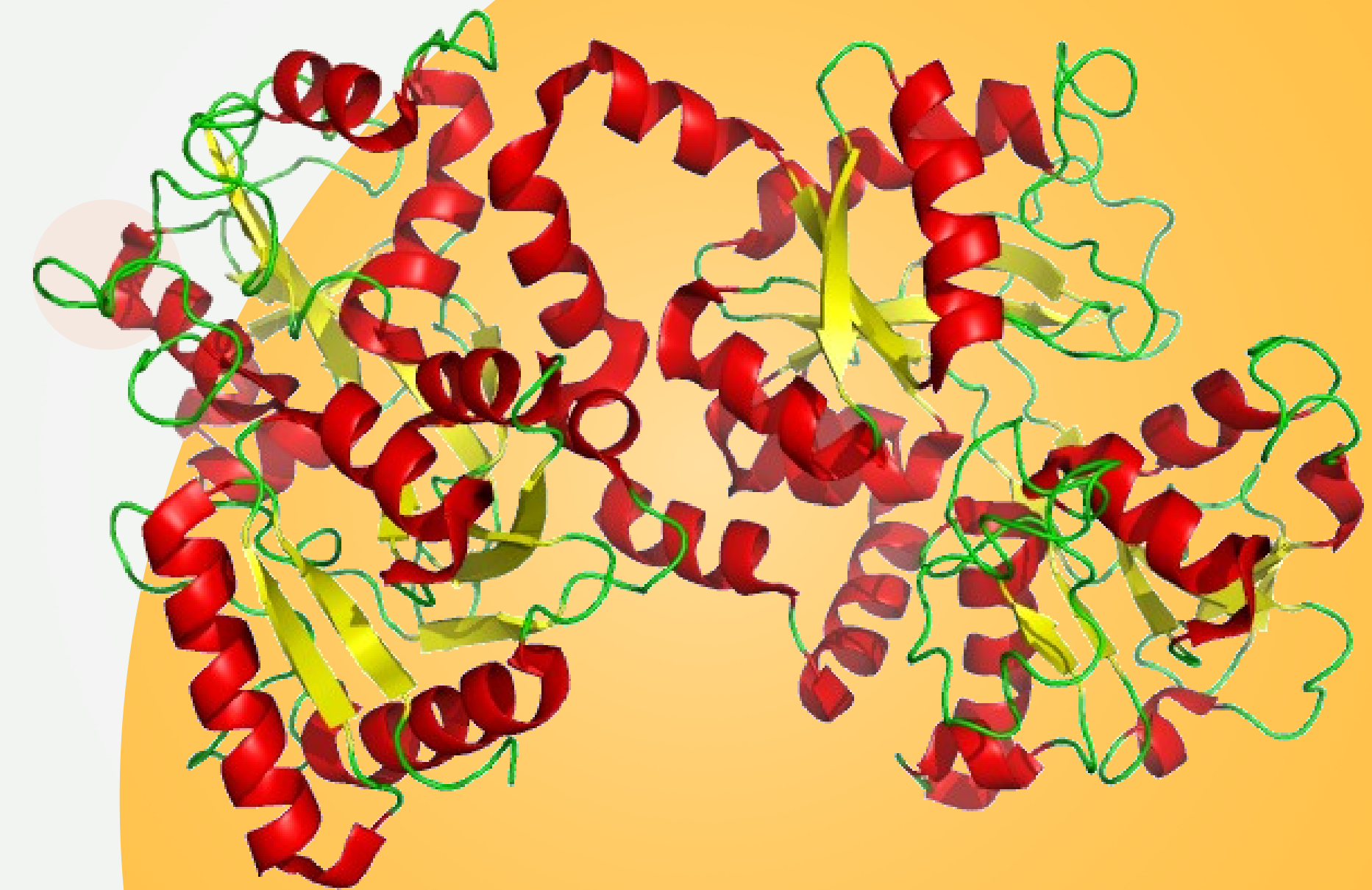
Fe

Lactoferrin

Lactoferrin is a protein that binds and transports iron ions through organs and tissues.

Free iron ions are a food source for pathogenic bacterial microflora.

With a sufficient level of lactoferrin, the pathogenic bacterial microflora is “deprived of food” and cannot grow and develop.



Lactoferrin molecule

Fe

COMPOSITION OF COLOSTRUM: ANTIMICROBIAL FACTORS

Lysozyme

is an enzyme that destroys gram-positive bacteria. It stimulates the phagocytic activity of macrophages, and the restoration of damaged tissues. It also has an anti-inflammatory, immunoregulatory, and antitoxic effect. Lysozyme participates in the regulation of intestinal microflora.

Lactoperoxidase

is an enzyme that reduces the activity of various types of pathogens (bacteria, fungi).



LACTOFERRIN AND LACTOPEROXIDASE ARE **IMPORTANT PARTS OF THE IMMUNE PROTECTION OF THE RESPIRATORY SYSTEM** AGAINST PATHOGENS AS THEY ARE PRESENT IN VARIOUS SECRETIONS AND HAVE BARRIER FUNCTIONS.

COMPOSITION OF COLOSTRUM: **CYTOKINES**

Cytokines include **interleukins, interferons, growth factors, and transfer factors.**

Cytokines form and regulate the full range of defensive mechanisms in the body during the entry of pathogens. They provide a connection between the immune, nervous, endocrine, haematopoietic, and other systems. Thus, the whole organism and all systems are involved in a single defensive mechanism.

Bovine colostrum contains exceptionally high concentrations of cytokines. For example, it contains **200 times more** interleukin-1, **500 times more** interleukin-6, **1,000 times more** gamma-interferon, and **2,000 times more** epidermal growth factor **than ordinary milk!**



AN IMPORTANT ROLE IN THE IMMUNE RESPONSE FORMATION IS ASSOCIATED WITH **TRANSFER FACTORS**

Colostrum contains proline-rich polypeptides or transfer factors.

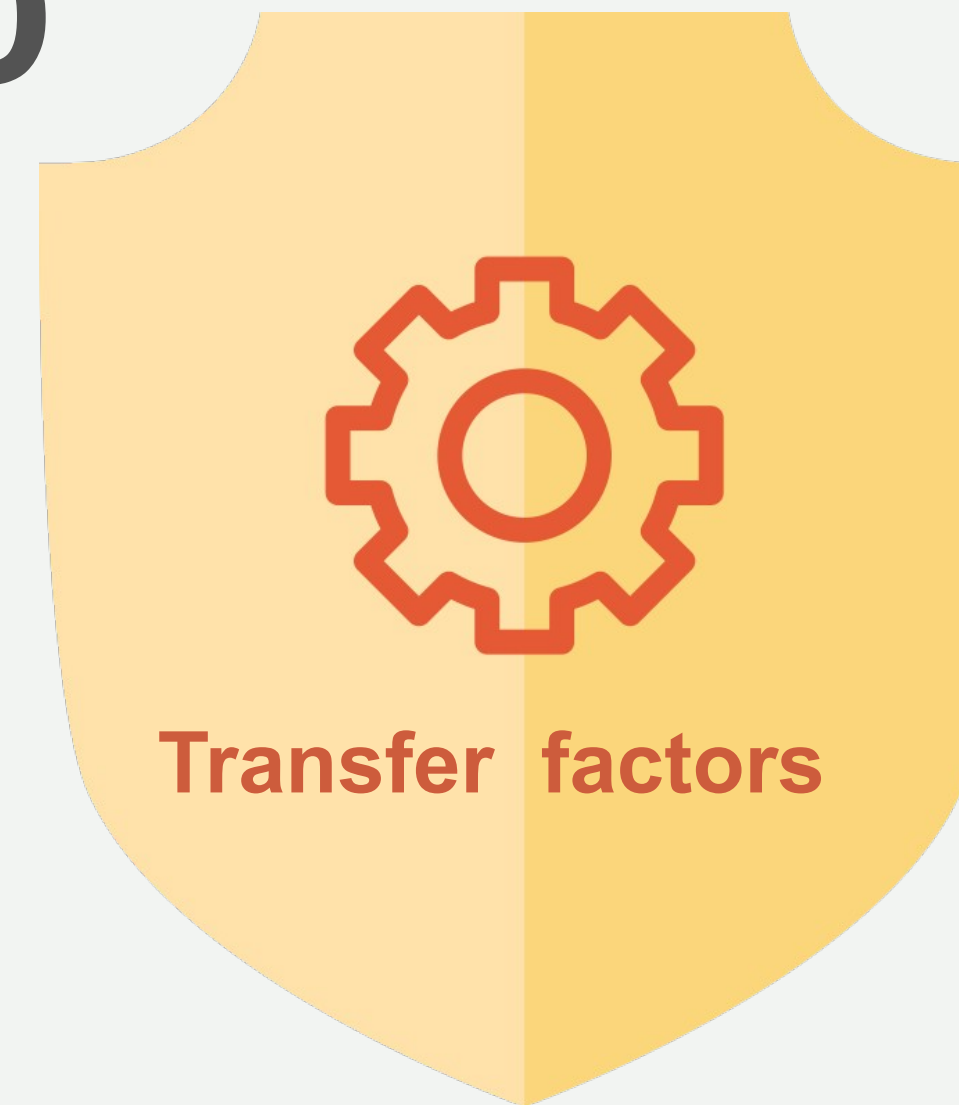
Transfer factors include three fractions that have different functions in the immunity regulation:

The first of them enhances the immune response in case of weakened immunity.

The second, by contrast, suppresses the hyperactive immune response in autoimmune conditions. **The third** forms the immunologic memory, so when a virus or germ re-enters the body, the immune system recognizes it quickly and responds to pathogens.

! | **THUS, THE TRANSFER FACTORS PROMOTE THE CORRECT IMMUNE RESPONSE.**

immunity



COLOSTRUM + BETA GLUCANS

=

**enhanced formula
to protect the body**

BETA GLUCANS

Beta glucans are bioactive agents that promote boosting the immune system. They can be found in mushrooms, nutritional yeast, and in the fiber of some grains. **The most biologically active form of beta glucans are beta-1,3-/1,6-glucans from yeasts.**

They activate immune cells (macrophages, T cells, NK cells) and stimulate both local and systemic immunities, protecting the body from the penetration of exogenous pathogens, and counter the activity of pathogens that have already entered the body.

! IT IS IMPORTANT THAT BETA-1,3-/1,6-GLUCANS **ADEQUATELY ENHANCE THE IMMUNE SYSTEM ACTIVITY WITHOUT ITS EXCESSIVE STIMULATION.**





Colostrum Plus

COLOSTRUM PLUS: COLOSTRUM + BETA GLUCANS

Colostrum Plus is a synergetic complex from bovine colostrum and beta glucans:



boosts the immunity



accelerates regenerative processes



increases the body's resistance to various pathogens



protects and restores the gastrointestinal mucosa

COLOSTRUM PLUS: PRODUCT ADVANTAGES



Its composition includes colostrum collected in the first 48 hours after calving, which has the highest concentration of bioactive components.



For this product, colostrum was selected which contains significantly higher concentrations of immunoglobulins: the content of IgG in Colostrum Plus is at least 40%. That is almost twice as many as in FirstFood, Colostrum (21.9%).



Colostrum is processed using a special technology that does not destroy the active components.



The product contains beta glucans from baker's yeast, which have the most effective impact on the immune system.

COLOSTRUM PLUS

BONUS POINTS

20

CLUB PRICE

RETAIL PRICE



Colostrum Plus

ENHANCED BODILY PROTECTION

coralclub