



BOVINE COLOSTRUM

FULLY NATURAL ORIGIN



WHAT IS COLOSTRUM?

Colostrum is the milk produced during the first few days after birth and contains high levels of immunoglobulins, antimicrobial peptides, and growth factors. Colostrum is important for supporting the growth, development, and immunologic defence. The main functions of colostrum are to provide essential nutritional components, strengthen the natural defense system, modulate immune response, balance intestinal microbiota and enhance the growth and repair of several tissues.

COMPOSITION OF COLOSTRUM

250 bioactive substances that have a huge impact on the proper functioning of the **immune and digestive systems**:

- **Immunoglobulins** (*classes IgG, IgA, IgM, IgE, IgD; complex proteins, antibodies offer protection against bacteria, viruses and fungi*);
- **Lactoferrin** (*protein with strong antimicrobial activity, has ability binding iron*);
- **Lysozyme** (*powerful antimicrobial enzyme*);
- **Cytokines** (*small messenger peptides that control the functioning of the immune system*);
- **Lactoperoxidase**;
- **Lactalbumin**;
- **Whey and casein proteins** rich in exogenous **amino acids**;
- **Vitamins** in an easily absorbable form, which include *vitamins A, C, E, B1, B2, B6*;
- **Minerals** - e.g. *calcium, magnesium, phosphorus, potassium and sodium*.

COMPLEX EFFECTS OF COLOSTRUM



ENHANCES IMMUNE HEALTH

- *Repair immune function and bring it back into optimal balance*
- *Activate the production of disease prevention antibodies*
- *Colostrum has been shown to be more effective as vaccines against flu*



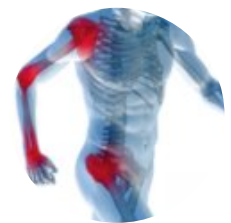
REDUCES INFLAMMATION

Colostrum has been shown to be more than three times as effective as vaccines against flu



SUPPORTS A HEALTHY GUT

Restore the harmonic balance in our GI tract



PROMOTES MUSCLE AND LIGAMENT HEALING

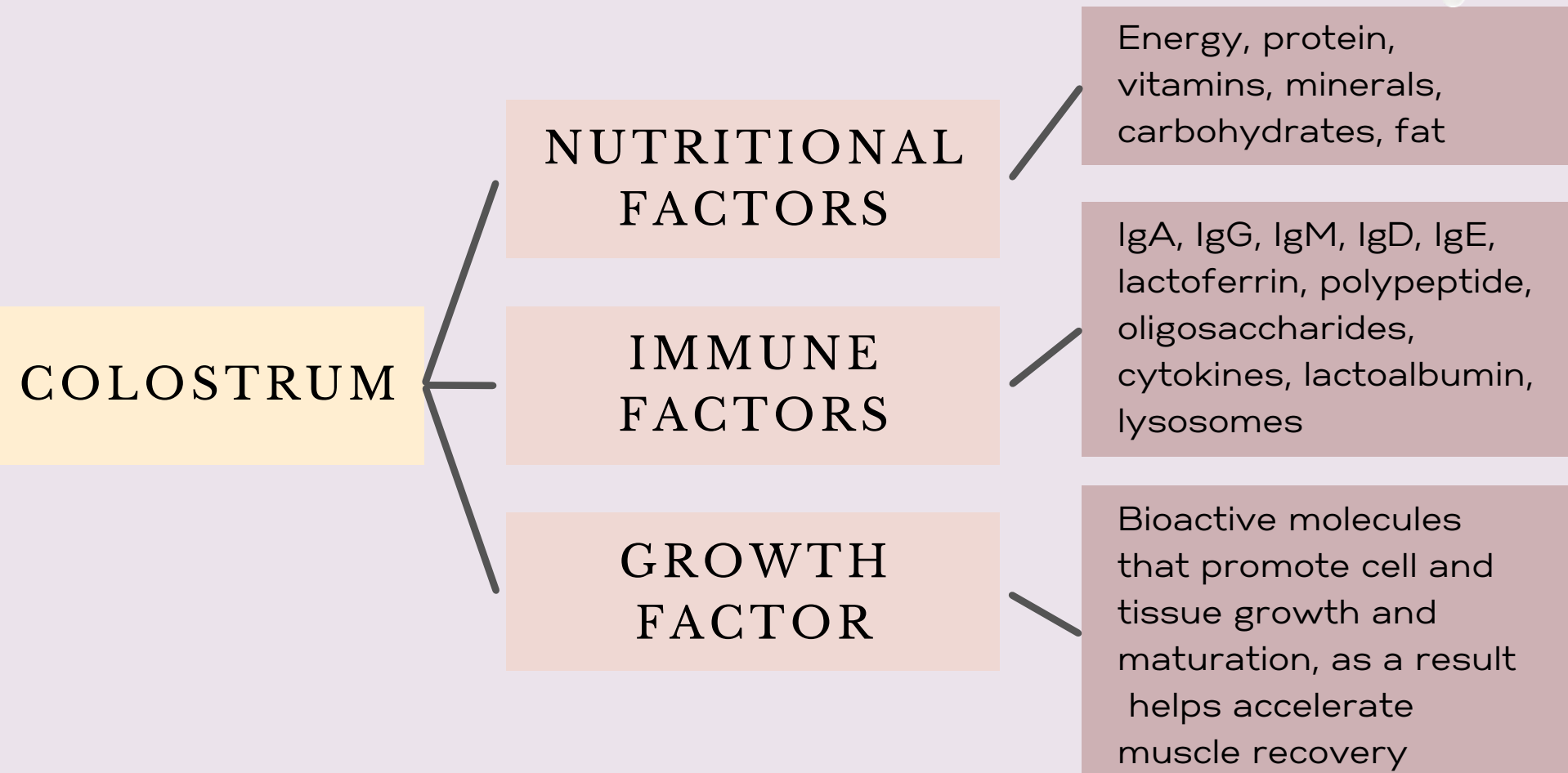
- *Due to its high level of growth factors and antioxidants is a powerhouse for promoting muscle healing and growth.*
- *Our body goes through constant **renewal** - Muscle, skin, bone, brain and nervous tissue regeneration is proven.*
- **Great supplement for athletes** - *some athletes have used colostrum in an attempt to improve their performance decrease recovery time and prevent sickness during peak performance levels.*



NUTRITIONAL SUPPORT

Complex compound mainly made of protein, sugar, fats, and immune factors

SOME OF THE KEY CLASSES OF BIOACTIVE COMPONENTS



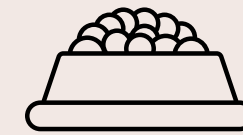
INGREDIENT FOR DIFFERENT APPLICATIONS



FOOD
SUPPLEMENTS



INFANT
FORMULA



ANIMAL
NUTRITION



SPORT
NUTRITION



COSMETICS &
PERSONAL CARE

KEY FEATURES & BENEFITS OF OUR COLOSTRUM

- Ease-to-use odorless powder
- Neutral taste
- Easy to digest
- Low fat
- Wide range of applications
- Treated by microfiltration
- Controlled by Czech Veterinary Administration
- GMO, Gluten, Hormone free

COLOSTRUM AND ITS COMPONENTS HAVE MORE SCIENCE, MORE PUBLISHED PEER REVIEWED CLINICAL STUDIES THAN ANY OTHER NUTRITIONAL SUBSTANCE KNOWN.

The health benefits of bovine colostrum have been studied for decades. Researchers have explored the benefits of bovine colostrum for children and adults in multiple areas of human health including boost immunity, gut health, digestive health, sports performance.



PubMed.gov

colostrum

Search

10 142 studies were published

10,142 results

Page 1 of 1,015

2022 - 283 studies have already been published

283 results

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SOME STUDIES ON COLOSTRUM

Health support

The health benefits of bovine colostrum have extensively been studied, including immune effects mediated by immunoglobulins, lactoferrin, and casein, as well as by certain growth factors. Some of these effects are not directly related to the absorption of proteins from the intestinal tract. The ingestion of BC can modulate the function of subsets of lymphocytes, macrophages, and dendritic cells and increase regulatory cytokines such as interleukin 10.

Ghosh S., et. al., Diverse Immune Effects of Bovine Colostrum and Benefits in Human Health and Disease. Nutrients. 2021 Oct 26;13(11):3798.

Nutraceutical, a term combining the words "nutrition" and "pharmaceuticals", is a food or food product that provides health benefits as an adjuvant or alternative therapy, including the treatment and prevention of infectious diseases in children and adults. There is emerging evidence that bovine colostrum (BC) may be one of the promising nutraceuticals which can prevent or mitigate various diseases in newborns and adults. BC is rich in immunity, growth and antimicrobial factors, which promote tissue growth and the maturation of digestive tract and immune function in neonatal humans. The immunoglobulins and lactoferrin present in colostrum are known to build natural immunity in newborns. Also, the side-effect profile of colostrum proteins and possible lactose intolerance is relatively less in comparison with milk. In general, BC is considered safe and well tolerated.

Bagwe S., et. al., Bovine colostrum: an emerging nutraceutical. J Complement Integr Med. 2015 Sep;12(3):175-85.

Athletes support

The presence of growth factors, immunoglobulins, cytokines, lactoferrin and hormones suggests that colostrum may improve the functioning of the digestive, immune and neuroendocrine systems, and exercise performance. The administering of colostrum seems to be most effective during periods of high intensity training, probably due to its high concentration of IGF-I, the ability to increase muscle buffering capacity or its high SIgA concentration.

Główka N., et. al., Potential use of Colostrum Bovinum supplementation in athletes - A review. Acta Sci Pol Technol Aliment. 2019 Apr-Jun;18(2):115-123.

Gut support

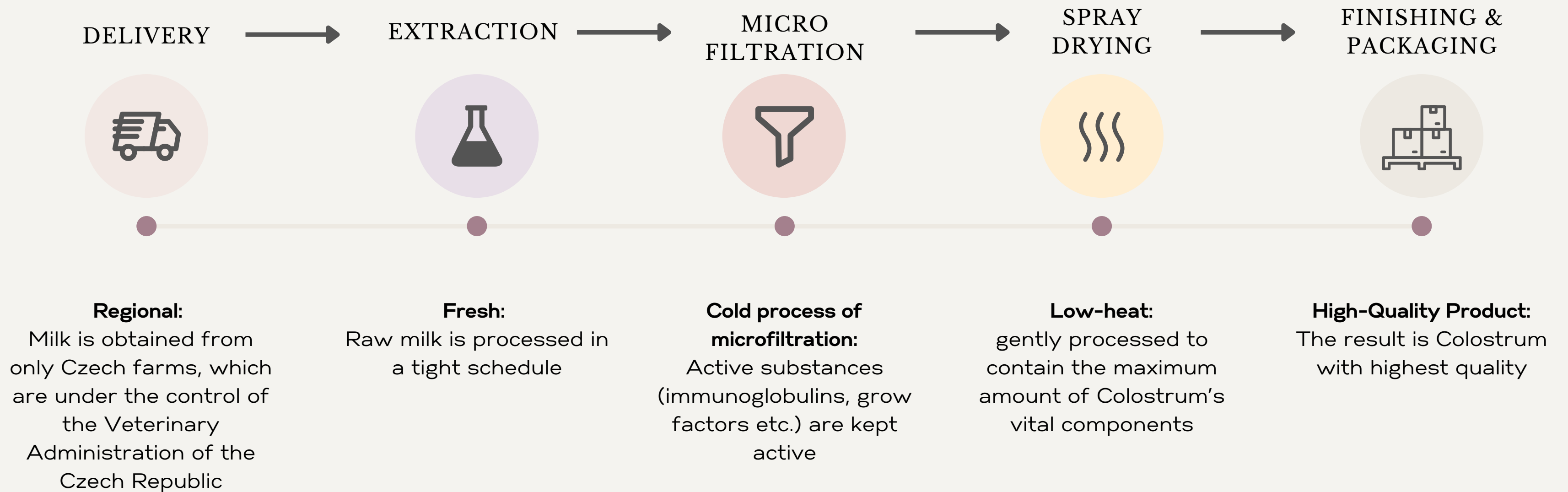
In human trials, there is substantial evidence of efficacy of bovine colostrum in inflammatory bowel disease and in infectious diarrhea.

Chandwe K., et. al., Colostrum Therapy for Human Gastrointestinal Health and Disease. Nutrients. 2021 Jun 7;13(6):1956.

COLOSTRUM INGREDIENT PRODUCT TYPES WE OFFER

Colostrum IgG30 skimmed/ Spray dried		Colostrum IgG40 skimmed/ Spray dried		Colostrum IgG30 skimmed/ Lyophilised		Colostrum IgG40 skimmed/ Lyophilised	
Immunoglobulins class G (IgG)		Immunoglobulins class G (IgG)		Immunoglobulins class G (IgG)		Immunoglobulins class G (IgG)	
- of total powder	≥ 18%	- of total powder	≥ 24%	- of total powder	> 18%	- of total powder	> 24%
- of total proteins	≥ 30%	- of total proteins	≥ 40%	- of total proteins	> 30%	- of total proteins	> 40%
Lactoferrin	0,5-1,0%	Lactoferrin	0,5-1,0%	Proteins	> 60%	Proteins	> 60%
Antibiotic Residues	negative	Antibiotic Residues	negative	Dry Matter	> 94%	Dry Matter	> 94%
Proteins	> 60%	Proteins	≥ 60%	Lactose	< 25%	Lactose	< 25%
Lactose	< 25%	Lactose	< 25%	Fat	< 5%	Fat	< 5%
Fat	< 5%	Fat	< 5%				

THE PRODUCTION OF OUR COLOSTRUM



OUR PRODUCT LINE



NATURAL RAW MATERIAL

As an ingredient, bovine colostrum is already used in numerous consumer applications such as animal nutrition, baby food, sports and clinical nutrition products, functional foods, dietary supplements and cosmetic products.



COLOSTRUM STICK

FOOD SUPPLEMENT
*Unique orally soluble Colostrum with Vitamin D, innovated form of food supplement to support healthy immune system.
 Fully natural product with a great milky and strawberry taste.*



IMMUNO COLOSTRUM KIDS

FOOD SUPPLEMENT
*Natural complex of colostrum, calcium, vitamin D3 and organic superfood aronia.
 Suitable for children.
 Powder soluble in food like yogurt, milk, smoothie.*



IMMUNO COLOSTRUM

FOOD SUPPLEMENT
*Contains vitamin D and prebiotics fibre in form of inulin from chicory root.
 Suitable for children.
 Powder soluble in food like yogurt, milk, smoothie.*

OUR PRODUCT LINE



PREMIUM COSMETIC CARE

COSMETIC

Cosmetic for skin care with highly effective colostrum reduce major signs of visible aging. Infuses skin with moisture and regeneration thanks grow factors for a look of radiant vitality.



BABY MILK

INFANT FORMULA

Baby milk formula enriched by colostrum.



COLOSTRUM PET

COMPLEMENTARY FEED

*Highly concentrated colostrum powder to support healthy growth and immune system of cats and dogs.
Simply use: mix powder with feed, neutral flavour - do not affect the taste and smell of the feed.*



COLOSTRUM COMPLEX START

COMPLEMENTARY FEED

Complementary feed formulated to provide essential nutrients to newborn animals as calf, small ruminants, foal, elk, camel, alpaca and deer, who do not receive an adequate quantity or quality of maternal colostrum.



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