

Colostrum

60 vegetable capsules / Code FE0283



New Roots Herbal Colostrum is standardised to 30% IgG and is 100% pure. It is processed at low temperature to preserve its properties and is ethically collected only after the calves have completed their nutritional needs.

It also provides a blend of 11 probiotic strains with over 1.2 billion CFU per capsule to complement the benefits of colostrum.



FORMAT: 60 vegetable capsules.

FORMULA

Ingredients: Bovine colostrum (from *Bos taurus*) (**milk**), bacterial culture (1,2 billion live active cells per capsule, see nutritional information) (in contact with **milk** and **soy**), inulin (from chicory root, *Cichorium intybus*), arabinogalactan (from *Larix laricina*), anti-caking agent (magnesium salts of fatty acids and silicon dioxide), antioxidant (L-ascorbic acid), potato starch, vegetable capsule (glazing agent: hydroxypropylmethylcellulose; purified water).

Nutritional information:	4 capsules
Bovine colostrum, 30% immunoglobulins G (IgG)	1.920 mg
Lactic acid bacteria (11 strains)	4.800 mill. UFC
Human strains:	
<i>Lactobacillus acidophilus</i> R0418	264 mill. UFC
<i>Bifidobacterium longum</i> ssp. <i>longum</i> R0175	144 mill. UFC
<i>Bifidobacterium longum</i> ssp. <i>infantis</i> R0033	144 mill. UFC
<i>Bifidobacterium breve</i> R0070	144 mill. UFC
Plant strain:	
<i>Lactobacillus plantarum</i> R1012	192 mill. UFC
Dairy strains:	
<i>Lactobacillus rhamnosus</i> R0011	1.920 mill. UFC
<i>Lactobacillus rhamnosus</i> R1039	1.440 mill. UFC
<i>Lactobacillus helveticus</i> R0052	240 mill. UFC
<i>Lactobacillus casei</i> R0215	192 mill. UFC
<i>Streptococcus salivarius</i> spp <i>thermophilus</i> R0083	96 mill. UFC
<i>Lactobacillus delbrueckii</i> spp <i>bulgaricus</i> R9001	24 mill. UFC
Inulin	4 mg
Arabinogalactan (AOS)	4 mg

CFU: Colony-Forming Unit Cells

Cautions:

Consult a health-care practitioner before using if you have fever, vomiting, bloody diarrhoea, or severe abdominal pain; if you have a special medical condition; or if you have an immune-compromised condition (e.g. lymphoma or AIDS). Discontinue use if symptoms of digestive upset persist or worsen beyond 3 days.

Recommended daily dose:

2 capsules twice daily with water on an empty stomach. If you are taking antibiotics, take this product at least 2–3 hours before or after taking them. Consult a health-care practitioner for use beyond 8 weeks. Do not exceed the stated recommended daily dose.

Store preferably refrigerated.

Indications and uses:

- Naturally strengthens the immune system against viruses, bacteria and fungi.
- Accelerates the body's recovery.
- Can support a successful diet by aiding weight loss, fat burning and increasing lean muscle mass.
- Can help slow down the ageing process.

DETAILS:

El calostro proviene de la primera leche que se produce para un recién nacido y es rico en los nutrientes que refuerzan el sistema inmune sistema.

El Calostro de SuraVitasan está estandarizado al 30% en IgG y es 100% puro. Se procesa a baja temperatura para conservar sus propiedades y es recogido éticamente únicamente una vez que los terneros hayan completado sus necesidades alimenticias.

Además aporta una mezcla de 11 cepas de probióticos con más de 1.200 millones de UFC por cápsulas para complementar el refuerzo del sistema inmune.

INGREDIENTS:

COLOSTRUM: bovine colostrum has a much higher content of immune factors than human colostrum. It contains a large number of immune factors and growth factors, as well as essential nutrients. It also contains protease inhibitors, which protect against deterioration of the digestive tract. Studies indicate that all species, including humans, benefit from the immunostimulatory properties of bovine colostrum.⁽¹⁻⁴⁾

Components of bovine colostrum:

- **Immunoglobulins (IgA, IgD, IgE, IgG and IgM)** are the most abundant immune factor found in colostrum. IgG neutralises toxins and microbes in the lymphatic and circulatory system; IgM destroys bacteria; IgE and IgD have potent antiviral properties.⁽⁵⁻¹¹⁾
- **Sulphur:** A mineral with multiple uses in the metabolism and as part of many structural proteins in the body.⁽¹²⁾
- **Lactoferrin:** a protein with antiviral, antibacterial, anti-inflammatory and iron binding properties that has therapeutic effects on cancer, HIV, cytomegalovirus, herpes, chronic fatigue syndrome, *Candida albicans* (thrush), *Helicobacter pylori* and other infections. Lactoferrin helps deprive bacteria of the iron they need to reproduce and releases iron into red blood cells, which improves tissue oxygenation. Lactoferrin modulates cytokine release, and its receptors are found on most immune cells, including lymphocytes, monocytes, macrophages and platelets.⁽¹³⁻¹⁷⁾
- **Proline-rich polypeptides (PRPs):** act as hormones that regulate the performance of the thymus gland, stimulating an underactive immune system or negatively regulating an overactive immune system – as occurs in autoimmune diseases such as multiple sclerosis, rheumatoid arthritis, lupus, scleroderma, chronic fatigue syndrome or allergies.⁽¹⁸⁻²¹⁾
- **Growth factors (GFs):** epidermal growth factor (EGF), insulin-like growth factors 1 and 2 (IGF 1 and IGF 2), fibroblast growth factor (FCF), platelet-derived growth factor (PDGF), transforming growth factors alpha and beta (TGF- α and TGF- β), and growth hormone (GH).⁽²²⁻²⁴⁾
- **Leukocytes:** stimulate the production of interferon, which slows the replication of viruses and their penetration of cell walls.^(25,26)
- **Enzymes:** lactoperoxidase-thiocyanate, peroxidase and xanthine oxidase, which are able to oxidise bacteria by releasing hydrogen peroxide.^(18,27-29)
- **Lysozyme:** is a hydrolysing and immune-stimulating enzyme capable of destroying bacteria and viruses on contact.^(6,30,31)
- **Cytokines/interleukins:** regulating the duration and intensity of the immune response, interleukins are responsible for cell-to-cell communication, stimulating T-cell activity and immunoglobulin production. Interleukins have strong anti-inflammatory properties, especially in arthritic joints.^(6,32-36)
- **Trypsin inhibitors and protease inhibitors:** prevent the immune factors and growth factors in colostrum from being broken down in the gastrointestinal tract. They also suppress *Helicobacter pylori* bacteria: one of the most common causes of peptic ulcers, which account for 80% of stomach ulcers and 90% of duodenal ulcers. These inhibitors prevent bacteria from adhering to the stomach walls and may have a beneficial role in the treatment of peptic ulcers.⁽³⁷⁻³⁹⁾

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- **Lymphokines:** hormone-like peptides produced by activated lymphocytes that mediate the immune-system response.^(12,40)
- **Oligosaccharides, polysaccharides and glycoconjugates:** attract and bind pathogens (*Streptococcus*, *E. coli*, *Salmonella*, *Cryptosporidium*, *Giardia*, *Entamoeba*, *Shigella*, *Clostridium difficile* toxins A and B, and cholera), preventing them from adhering to or entering mucous membranes.⁽⁴¹⁻⁴⁶⁾
- **Orotic acid:** stops the formation of pyrimidine nucleotides and prevents haemolytic anaemia, which is the destruction of red blood cells. This occurs when antibodies attach to the cells, causing a reaction in the body and cell death.^(12,18)
- **Other immune factors:** some of the immune factors documented in bovine colostrum include secretory IgA, β -lactoglobulin, lactalbumin, albumin, transthyretin (prealbumin), alpha-1 antitrypsin, alpha-fetoprotein, alpha-2-macroglobulin, alpha-2-AP glycoprotein, C3, C4, and orosomucoids.^(47,48)
- **Vitamins A, B12 and E:** these natural vitamins are found in colostrum along with traces of the full spectrum of vitamins necessary for a strong immune system and overall good health.^(12,49,50)

PROBIOTICS: New Roots Herbal's Colostrum also provides a blend of 11 probiotic strains, with over 1.2 billion CFU (2 different strains of *Lactobacillus rhamnosus*, *L. acidophilus*, *L. helveticus*, *L. plantarum*, *L. casei*, *Bifidobacterium longum* ssp. *infantis*, *B. breve*, *B. longum* ssp. *longum*, *Streptococcus salivarius* ssp. *thermophilus* and *L. delbrueckii* ssp. *bulgaricus*). It is formulated to maintain the balance of microflora in the gastrointestinal tract, which helps the body to reap more of the benefits of colostrum, resulting in a stronger and healthier immune system.^(51,52)

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