



NEW PRODUCT

ThorneVet ColostrumVET

Tap into the healing power of Mother Nature's miracle – bovine colostrum

ThorneVet's **ColostrumVET** is obtained from the first milking of seasonally grass-fed cows and tested to be free of any hormones, rBST, antibiotics, pesticides, and herbicides. **ColostrumVET** is produced using a specialized process that allows for preservation of the immune-supportive components of the colostrum, while also making it free from pathogens and contaminants. The finished product is tested to ensure high levels of immunoglobulins (at least 50 percent Immunoglobulin G), guaranteeing that **ColostrumVET** is abundant in immune-supportive compounds, including immunoglobulins, growth factors, lactoferrins, and proline-rich peptides.

Benefits of Bovine Colostrum:

- | Promotes homeostasis and immune function balance
- | Beneficial for the pet who is an allergy sufferer
- | Strengthens the body's immune function to resist infection
- | Helps down-regulate unhealthy inflammatory responses in the body
- | Promotes a healthy gastrointestinal tract environment
- | Reduces intestinal hyper-permeability – like in humans who have leaky gut syndrome
- | Promotes healthy aging

ColostrumVET – First-milking colostrum from seasonally grass-fed cows

Background

In mammals, colostrum is the earliest milk produced by the mammary glands for the first few days after birth. The composition of natural colostrum is unique – it contains essential nutrients, immune factors, and oligosaccharides that benefit the newborn.¹ Bovine colostrum has a long history of consumption by humans, and multiple health studies show its potential for applications in human health and nutrition. Extensive characterization of colostrum's natural constituent fractions has identified a wealth of beneficial bioactive molecules – and not just their potential for shaping neonatal development – but also their potential for beneficial application beyond the neonatal period.² For example, research has shown the unique benefits of bovine colostrum supplementation in benefiting the immune function of animals.

The bovine colostrum ingredient in ColostrumVET is tested to ensure it contains at least 50 percent Immunoglobulin G (IgG) levels. IgG represents approximately 75 percent of serum antibodies in humans and animals. And by taking advantage of our supplier's proprietary process that ensures the safety of the product – without heat-damaging the wealth of colostrum's beneficial constituents – ColostrumVET provides peak levels of immune-supportive compounds for dogs and cats.

Key Constituents

The bovine colostrum in **ColostrumVET** contains multiple beneficial bioactive compounds, including immunoglobulins, lactoferrin, vitamins, minerals, enzymes, and cytokines, as well as growth factors, such as epidermal growth factor (EGF), insulin-like growth factor-1 and 2 (IGF-1 and IGF-2), platelet-derived growth factor (PDGF), and transforming growth factor- β (TGF- β).³ These beneficial components have been found to be significantly helpful in promoting gut health, enhancing immune function, boosting physical performance, and exerting healthy aging effects.⁴

Applications

Immune Function Support

From an immunological perspective, bovine colostrum has shown the ability to support the body's defense mechanisms against pathogens, to up-regulate healthy immune function, and to reduce the occurrence and severity of respiratory infections.⁴ In addition, bovine colostrum when administered to dogs and cats helps provide a beneficial response to immunizations. For example, a Purina study showed that kittens fed a diet that included bovine colostrum had a quicker and stronger response to a rabies vaccination, as well as an increase in serum antibody levels.⁵ Similarly, a British study showed that adult dogs fed a diet that included colostrum demonstrated a stronger and longer immune response to canine distemper virus vaccination, with a 50-percent increase in serum antibody levels after six months.⁶

Gastrointestinal Integrity

The bioactive constituents in bovine colostrum contribute to maintaining the integrity of the gut barrier, optimizing the gut microbiota, and alleviating symptoms associated with digestive disorders.⁶ Significantly, administration of bovine colostrum has been shown to reduce heightened permeability in the intestinal tract, a health benefit that achieves a reduced risk of many chronic disease states, including autoimmune diseases.⁷

Allergy Support

Because it contains both anti-inflammatory properties and properties that can down-regulate an out-of-balance immune response, bovine colostrum has been shown to help patients who suffer from allergies. Studies show that the synergistic effect of a reduction in pro-inflammatory cytokines, along with the presence of the powerful natural immuno-modulatory constituents of colostrum, can mitigate the respiratory and nasal sensitization that occurs in allergic conditions.⁸

Healthy Aging

Because colostrum is plentiful in insulin-like growth factor 1, epidermal growth factor, and other beneficial growth factors, it can play an integral role in supporting cellular repair and regeneration. By helping to down-regulate adverse cytokine pathways, which results in a more balanced inflammatory response, colostrum works upstream on the metabolic pathways that promote healthy aging. In addition, colostrum is one of the very few natural sources of telomerase, an enzyme that is believed to help slow down the natural aging of DNA.⁹

ThorneVet's ColostrumVET offers a potent source of an array of beneficial vitamins, minerals, immunoglobulins, growth factors, proline-rich peptides, and other immune-supportive compounds. This unique creation of Mother Nature offers comprehensive multi-system support, ranging from a robust, balanced immune system response, to promoting a healthy gastrointestinal tract environment, to promoting cellular repair and regeneration – all of which achieves improved foundational health in dogs and cats. ThorneVet obtains its bovine colostrum from Zinpro Corporation, headquartered in Eden Prairie, Minnesota. For more than 50 years, Zinpro has improved the health and wellbeing of both animals and people as a pioneer in the research and development of innovative health and wellbeing solutions – one of which is Premolac® DC50 – Zinpro's 100% Grade A bovine colostrum (see <https://www.zinpro.com/products/premolac-colostrum/?nab=0>).



ColostrumVET

Bovine colostrum promotes optimal immune function in dogs and cats

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1 scoop per 25 pounds body weight daily



1 scoop per 25 pounds body weight daily

V990-P / 112 Scoops



GLUTEN FREE

PRODUCT FACTS	112 Scoops per Container
Active Ingredients per 1.7-cc Scoop: Dried Bovine Colostrum (Zinpro® Premolac® DC 50) (Immunoglobulin G level guaranteed at 50 percent) (First-milking colostrum from seasonally grass-fed cows)	0.5 g
Inactive ingredients: None.	

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References

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