

Sterling Technology

Quality Colostrum & Bioactives

Colostrum and the Immune System: Colostrum is an exceptional nutritional substance that contains vital components known to support the immune system. For centuries colostrum has been used by most cultures for healing and wellness. Now with research and technology quality colostrum can be produced with precision to ensure a pure and potent product.

HPLC: High Performance Liquid Chromatography is a technique used in biotechnological research as well as for the pharmaceutical industry. Modern HPLC has many applications including separation, identification, purification, and quantification of various compounds. Sterling Technology uses HPLC to create the optimum analysis of compounds in each batch of colostrum to ensure efficacy. Sterling Technology is dedicated to providing the best possible product to fit your needs.

Components of Colostrum	Antiviral	Antifungal	Antibacterial	Enhance Phagocytosis	Macrophage Activation	Immune Stimulator	Immune Modulator	Antibody Production	T- and B-Cell Growth	T-Cell Activation	Tissue Repair
Growth Factors						◆	◆				◆
Immunoglobulins	◆	◆	◆	◆	◆	◆	◆				
Interferon-y	◆	◆	◆		◆	◆					
Interleukin-1					◆					◆	
Interleukin-2						◆	◆	◆	◆		
Interleukin-6	◆	◆	◆			◆	◆	◆	◆		
Lactoferrin	◆	◆	◆				◆				
Lactoperoxidase		◆	◆								
Lysozyme		◆	◆								
PRP						◆	◆				

Growth Factors: Proteins that bind to receptors on the cell surface with the primary result of activating cellular proliferation and/or differentiation.

Immunoglobulins: Also known as antibodies, their job is to neutralize antigens, activate complement and promote leukocyte-dependent destruction of microbes.

Interferon-y: Its functions are important in cell-mediated immunity against intracellular microbes. It is predominantly responsible for the antiviral activities of the interferons.

Interleukin-1: One of the most important immune response modifying interleukins. The predominant function is to enhance the activation of T-cells in response to allergens.

Interleukin-2: Promotes the proliferation and differentiation of other immune cells and potentiates apoptotic death of antigen-activated T-cells.

Interleukin-6: Principle function is to augment the responses of immune cells to other cytokines. It is also the primary inducer of the acute phase response in the liver.

Lactoferrin: Binds iron and competes with microorganisms for it. Found to have antibacterial, antiviral, antifungal, anti-inflammatory, antioxidant and immunomodulatory activities.

Lactoperoxidase: Kills bacteria by oxidative mechanisms. When combined with hydrogen peroxide and thiocyanate, both of which are naturally distributed in human tissues, it forms a potent natural antibacterial system.

Lysozyme: Protects us from bacterial infection. It is a small enzyme that attacks the protective cell walls of bacteria.

Proline-Rich Polypeptide (PRP): Shown to support the thymus gland, and may help calm an overactive immune system and stimulate an underactive immune system.

For more information or questions about our products, please contact us at 1-800-522-3699