

Optimal Immune System Balance for Optimal Immune System Function

Transfer Factor Basics™ NOW INCLUDES XYLO-OLIGOSACCHARIDES* IN ADDITION TO THE RECENTLY ADDED FUCOIDAN AND GALACTO-OLIGOSACCHARIDES. THESE COMPONENTS COMPLEMENT THE BROAD RANGE OF TFB'S IMMUNE SUPPORT NUTRIENTS (COMPARABLE TO THOSE FOUND IN HUMAN COLOSTRUM) TO INCREASE THE ALREADY EXCEPTIONAL HEALTH ENHANCING BENEFITS OF THIS PRODUCT. Formulated to support optimally balanced, highly effective immune function, it is an exceptional immune-health-promoting combination. It is the first product of choice for those individuals with multiple or extreme sensitivities, or autoimmune issues. It is safe and effective for the entire family, including infants; and serves as a tremendous adjunctive measure when used with other immune support products.

Immune system balance, facilitated with comprehensive support by Transfer Factor Basics™ (TFB), is the foundation for effective immune function which results in:

- Immune system preparedness and readiness to respond.
- Efficient usage of energy for maximized benefit.
- Rapid recognition of true threats to health, both from outside the body and from within.
- Ability to distinguish between self and non-self, normal and abnormal.
- Early activation of the most appropriate, most efficient response to true threats.
- Recognition of resolved threats, with appropriate sequence of "standing down" immune system "troops."
- Return to a resting state of prepared readiness, now with newly acquired "how best to respond" immunologic memory for even more efficient function with future challenges.

➤ **Transfer Factor Basics™ includes** 1) a proprietary blend of colostrum extracts including transfer factor, proline-rich polypeptides, lactoferrin, & growth factors; 2) a proprietary blend of Xylo-oligosaccharides, Galacto-oligosaccharides, & Fucoidan; and 3) health supporting Vitamins C & D₃.

TFB is like providing one's immune system a state-of-the-art instruction manual, front-line tutoring from immune cell to immune cell, tools for appropriate responses, and regulating abilities to support immune system balance, effectiveness and overall health.

Key science-backed components and what they do:

◆ **Transfer factor (TF)**, first discovered in 1949 by research scientist Dr. H Sherwood Lawrence, has demonstrated both its safety and its amazing ability to enhance overall immune system effectiveness in more than 3000 scientific studies. Results of these studies include: 1) TF is scientifically recognized around the world as an intricate system of immune communication from immune cell to immune cell. 2) TF is produced by the immune system, for the immune system. 3) TF is designed by nature to transfer highly concentrated, easily usable immune intelligence from one immune system to another, as from mother to baby through her colostrum or "first milk." 4) Transfer factors are essential components of immune health in even the most primitive of species, and have been found to be universally effective (and **non-allergenic**), regardless of differences between donor and recipient. This means transfer factor extracted from cow colostrum is both safe and equally effective for humans. 5) TF transfers a bank of "how to function" memory from the donor's effective immune system to the naive or compromised immune system. Such immune information enables the recipient's immune system to more rapidly recognize and more appropriately respond to a wide range of health threats. 6) TF is exceptionally effective in activating Natural Killer (NK) cell function. (NK cells are our first line of defense against many health challenges.) The results of these studies are very important because research has demonstrated that NK cells require activation to function effectively. TF provides immune information key to such activation. 7) TF supports appropriate cell-mediated immune responses. 8) TF supports overall immune system function, including appropriate responses that maximize efficient use of precious energy and avoid unnecessary, and sometimes harmful, effects of inappropriate immune activity, as in autoimmune-diseases.

◆ **Proline-rich Polypeptides (PRPs)** are a class of small proteins that have the unique ability to modulate and stabilize immune processes. Among PRPs' many benefits, they: 1) accelerate recovery of immune system function in those with ineffective immune responses; 2) enhance the function of the thymus gland, a key role-player in immune health; 3) inhibit initiation of immune system overreaction or misdirection; 4) modulate the production of cytokines [regulatory cells of the immune system], and 5) enhance the development of immunity as needed. *Continued on page back (or page 2).*



Supplement Facts

Serving size: 3 capsules
Servings per Container 30

Suggested use for maintenance:

Adults - three capsules daily.
Children 2 to 12 years – one capsule daily. **Infants/children under 2 years** may be given one capsule daily (opened and powder mixed with small amount of milk, yogurt, etc.).

More may safely be taken as needed, or as directed by health professional.

	Amount Per Serving	RDI%
Vitamin C (as Calcium ascorbate)	120 mg	300%
Vitamin D3	1000 IU	250%
IF+F™ Proprietary Blend* Bovine Transfer Factor, Proline Rich Polypeptides, Lactoferrin and growth factors.	600mg	**
HMLO™ Proprietary Blend Xylo-oligosaccharides, Galacto-oligosaccharides, and Fucoidan	850 mg	**

** RDI not established.

*Contains components derived from milk.

For more information contact:

► **Transfer Factor Basics™** product information continued.

◆ **Lactoferrin** belongs to the family of iron-binding proteins and exhibits a wide spectrum of immune function-enhancing properties. Among its multiple benefits, it: 1) binds iron, which is essential for the growth of both microbes and variant cells; 2) enhances gut health by stimulating the growth of gut-associated lymphatic follicles; 3) promotes the growth of “good” bacteria in the gut; 4) protects against the toxicity of reactive oxygen radicals; and 5) promotes bone growth.

◆ **Growth Factors**, from colostrum, have multiple regenerative effects that extend to: 1) all structural body cells; 2) the gut; 3) significant repair of muscle and cartilage repair characteristics; and 4) promotion of wound healing.

◆ **Ascorbic Acid (Vitamin C)**, was first demonstrated to strengthen immunity in 1942, was soon appreciated as the factor preventing scurvy and supporting general health, and is now recognized for its immunostimulant, anti-inflammatory, antiviral and antibacterial roles. Examples of other benefits include: 1) maintenance of oral mucosal integrity; 2) erythropoietic (red blood cell) activity; 3) supports health of endothelial cells (lining of blood and lymphatic vessels, heart, eye, and body cavities); 4) iron absorption; 5) leukocyte function; 6) support of natural killer cell activity and T and B cell function; 7) statistically significant increase in the serum levels of IgA, IgM and C-3 complement; and 8) significant synergistic enhancement of immune benefits offered by maitake mushroom fraction-D.

◆ **Vitamin D**, beyond its historic role in prevention of rickets and importance for bone health, is now known to influence many key physiological processes, including effective immune system function. Among its many health-supporting roles, Vitamin D: 1) is essential for efficient absorption and utilization of calcium by the body, for maintenance of healthy blood calcium levels, and for healthy bone structure; 2) supports healthy and controlled cell differentiation, critical to healthy cell structure and function; 3) is essential for growth and effective wound healing; 4) supports immune system regulation; 5) supports both innate immune responses (non-specific and not requiring prior exposure) and adaptive immune responses (specific, according to stimulus); 6) supports healthy inflammatory responses; 7) supports healthy platelet function; 8) plays an important role in maintaining integrity of intestinal mucosal lining; and 9) is associated with cognitive function and mental health.

◆ **Xylo-oligosaccharides*** and **Galactooligosaccharides** are recognized as established beneficial “prebiotics” that successfully pass through the small intestine unaltered and capable of: 1) supporting the favorable growth, balance and/or activity of beneficial bacteria in the gut known as probiotics while: 2) hindering or decreasing existing harmful bacteria (Clostridia, Enterobacter and others). This is of great benefit to the “host” as these helpful bacteria (Lactobacillus, Bifidobacter, and others) are proven to play critical roles in: 1) digestive function and “gut” integrity essential to preventing leaky gut; 2) immune function (eg., increase in NK cells and anti-inflammatory markers); 3) modulation of metabolic processes associated with metabolic syndrome, obesity and Type 2 diabetes; and 4) recovery of innate immune cells in the ageing for enhancement of gastrointestinal health and immune function in elderly persons. (***Xylo-oligosaccharides replaced Lactulose.**)

◆ **Fucoidan**, a fucose-containing sulfated polysaccharide derived from brown seaweeds, provides many health-enhancing bioactive properties. **The oligosaccharide in fucoidan has been shown to provide comparable benefits to those of human oligosaccharides, and it has been referred to as the “Milk of the Sea” in part because its**

healing properties include those comparable to human milk.

Examples of reported benefits include: 1) support of both innate and adaptive immune function, including enhancement of NK cells and Th1 activity, and enhanced maturation and activity of important immune dendritic cells for recognition of harmful microbes; 2) inhibition of growth of some potential pathogens; 3) support of appropriate immune function response to abnormal cell growth. 4) support of healthy vascular function; 5) support of healthy inflammatory responses; 6) support of healthy wound healing; 7) potential radio-protective effects; 8) chemo-protective effects; 9) support in pain control; 10) liver-protective effects; 11) enhanced metabolism; 12) inhibition of fat cell maturation; and 13) enhancement of fat metabolism.

PLEASE NOTE: These statements have not been evaluated by the Food and Drug Administration. They are for educational purposes only and not intended to diagnose, treat, cure or prevent disease.

REPRESENTATIVE REFERENCES, REVIEWS AND STUDIES:

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