

# Immune Support™



## Clinical Applications

- Immune Support (including during chemotherapy, strenuous physical activity)<sup>1,2</sup>
- Binds and Neutralizes Major Pathogens including H Pylori
- Reduces G.I. Inflammation<sup>8,9,11</sup>/Lessens Gut Permeability<sup>6</sup>
- Support Lean Muscles Mass<sup>7,12</sup>
- Reduces Cholesterol<sup>15</sup>

*Immune Support™ is a purified, highly concentrated (45%), very low saturated fat, dairy free, consistent source of bovine serum-derived immunoglobulin antibodies and immunoproteins that provide immune enhancement by directly boosting immunoglobulin levels in the GI tract. Oral immunoglobulins have proven efficacy against bacteria, viruses, protozoa, and fungus. This spray-dried powder with a neutral flavor and odor also contains beneficial growth factors and immune-regulating cytokines.*

**All Chantilly Natural Health® Formulas Meet or Exceed cGMP quality Standards**

## Discussion

The basic functions of immunoglobulins are the neutralization and opsonization of bacteria, viruses and other environmental pathogens. Unlike antibiotics, they allow the immune system to differentiate pathogens from the body's normal microflora.

The transfer of immunity through oral supplementation is a natural, logical and effective process for obtaining immunity. In adults, the concentration of immunoglobulin in the digestive tract and on mucosal surfaces predicts the risk of infection.

Almost 80% of all pathogens enter the body either through mucosal tissue or stay localized on mucosal surfaces. Each day the G.I. tract immune cells produce about 5 grams of immunoglobulins. However, during times of stress there is significantly reduced secretion. Supplemental immunoglobulins act first in the intestinal tract to eliminate or inhibit the proliferation of disease-causing organisms and toxins. This reduces the stimulation of the immune response in the gut so that the body's resources can be redirected toward challenges elsewhere.

Many of the studies on immunoglobulins involving immune challenge have been animal rather than human studies because of the expense and difficulty using human subjects. Studies have shown oral immuno-protein supplementation restores appetite,<sup>7</sup> reduces inflammation<sup>8,9,11</sup> and promotes improved protein metabolism under immunological stress.<sup>10,13</sup> Oral supplementation has been shown to preserve gut wall integrity and provide intestinal humoral immunity.<sup>6</sup> Extrapolated data from a human clinical trial on IBS demonstrated sufferers could experience 35 extra IBS symptom-free days annually.<sup>14</sup>

Transferrin, a family of iron-binding, bacteriostatic proteins regulate and reduce the amount of free iron available to the invading pathogen.

Growth Factors in proper combination are thought to play an important role in digestive health and nutrient utilization. Those in Immune Support™ are similar to the level and balance found in healthy individuals. TGF-β and IGG-I are involved in the restitution of cells damaged in the digestive tract. An increase in the level of IGF-I in serum has been associated with increases in lean tissue mass and greater protein efficiency.<sup>13</sup> TGF-β is known to stimulate the secretion of IgA.

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Immune Support™



## Supplement Facts

Serving Size: 1 Tablespoon (5g)  
Servings Per Container: 90

	Amount Per Serving	%Daily Value
IgG 2000 DF (serum-derived immunoglobulin concentrate)	5,000 mg	**
Immunoglobulin G (IgG)	2,000 mg	**
Other Immunoglobulins (IgA, IgM, IgE, IgD)	600 mg	**
Also typically provides:		
Transferrins	375 mg	**
IGF-1	16.4 mcg	**
TGFβ-1	.54 mcg	**

\*\* Daily Value not established.

**Other Ingredients:** Serum-derived Immunoglobulin concentrate.

## Dosing:

Therapeutic: 1 Tablespoon twice daily.

Maintenance: 1 Tablespoon one time daily.

Children: 1/2 teaspoon per 25 lbs one time daily.

Pet: 1/2 teaspoon per 25 lbs one time daily.

(Safe to use with chemotherapy.)

## References

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\*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.