**Clinical Applications**

» Provides Immune Support (including during chemotherapy, strenuous physical activity)*[1,2]

» Binds and Neutralizes Foreign Microbes in the Gut*[3,4,5]

» Reduces G.I. Inflammation8,9,11 / Lessens Gut Permeability*[6]

» Supports Lean Muscle Mass*[7,12]

» Supports Healthy Cholesterol Level*[15]

*IgG 2000 DF™ 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.*

**Discussion**

The basic functions of immunoglobulins are the neutralization and opsonization of harmful microbes. Unlike antibiotics, they allow the immune system to differentiate foreign microbes 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 foreign microbes enter the body either through mucosal tissue or stay localized on mucosal surfaces. Each day, the G.I. tract immune cells produce about five 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,[7] supports the body’s healthy response to inflammation*[8,9,11] and promotes improved protein metabolism under immunological stress.[10,13] Oral supplementation has been shown to preserve gut wall integrity and provide intestinal humoral immunity.[6] Extrapolated data from a human clinical trial on intestinal health demonstrated sufferers could experience 35 extra symptom-free days annually.*[14]

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

*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.
**Female Health**

**Gastrointestinal Support**

**Immune System Support**

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**EXCLUSIVE • PATENTED**

All XYMOGEN® Formulas Meet or Exceed cGMP Quality Standards.

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**IgG 2000 DF™ capsules Supplement Facts**

Serving Size: 2 Capsules

<table>
<thead>
<tr>
<th>Amount Per Serving</th>
<th>%Daily Value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>IgG 2000 DF™ (Serum-derived immunoglobulin concentrate providing IgG, IgA, IgM, IgE, IgD. Also provides Transferrins, IGF-1 and TGF-β1)</td>
<td>1250 mg **</td>
</tr>
<tr>
<td>Immunoglobulin G (IgG) (from 1250 mg IgG 2000 DF™)</td>
<td>562.5 mg **</td>
</tr>
</tbody>
</table>

* Daily Value

**OTHER INGREDIENTS:** HPMC (capsule), magnesium stearate, stearic acid, and microcrystalline cellulose.

**DIRECTIONS:** Take two capsules twice daily, or as directed by your healthcare practitioner.

**DOES NOT CONTAIN:** Wheat, gluten, corn protein, yeast, soy, dairy products, artificial colors, sweeteners or preservatives.

**CAUTION:** Keep out of reach of children.

**STORAGE:** Keep tightly closed in a cool, dry place.

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**IgG 2000 DF™ powder Supplement Facts**

Serving Size: 1 Tablespoon (5 g)

<table>
<thead>
<tr>
<th>Amount Per Serving</th>
<th>%Daily Value **</th>
</tr>
</thead>
<tbody>
<tr>
<td>IgG 2000 DF™ (Serum-derived immunoglobulin concentrate providing IgG, IgA, IgM, IgE, IgD. Also provides Transferrins, IGF-1 and TGF-β1)</td>
<td>5000 mg **</td>
</tr>
<tr>
<td>Immunoglobulin G (IgG) (from 5000 mg IgG 2000 DF™)</td>
<td>2250 mg **</td>
</tr>
</tbody>
</table>

* Daily Value

**OTHER INGREDIENTS:** Serum-derived immunoglobulin concentrate.

**DIRECTIONS:** Take one tablespoon (5 g) mixed in 2-4 oz. of unchilled water daily, or as directed by your healthcare practitioner.

**DOES NOT CONTAIN:** Corn protein, yeast, soy, dairy products, artificial colors, sweeteners or preservatives. Gluten-containing ingredients (including wheat) are not added to this formula.

**CAUTION:** Consult with your healthcare practitioner before use. Keep out of reach of children.

**STORAGE:** Keep tightly closed in a cool, dry place.

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**References**


14. Weaver et al., The Effects of Bovine Ig Isolate on Diarrhea-Predominant Irritable Bowel Syndrome in a Double-Blind Placebo Controlled Clinical Trial. Unpublished. 2005.


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**Additional references available upon request**