IG 26 DF
Hyperimmune Egg

Clinical Applications

» Provides Immunoglobulins and Immunoregulating Factors That Promote Intestinal and Systemic Health*

» Supports Passive Immunity in the Intestine*

» Promotes Balanced Cytokine Production*

» Supports Muscle Performance and Recovery*

IG 26 DF is a self-affirmed GRAS supplement that provides IgY immunoglobulins and immunoregulating molecules from hyperimmune chicken egg. Research suggests that this easy-to-mix, dairy-free source of immunoglobulins and immune cofactors helps support immune function in the intestine and a healthy intestinal environment. These benefits positively impact extraintestinal health. Preliminary research also suggests a role for the formula’s immunoregulating molecules in cytokine modulation and in sports recovery applications.*

Immunoregulatory Factors
Hyperimmune egg not only provides IgY immunoglobulins, but it also contains bioactive immunoregulatory factors. These immunoregulatory factors act directly on gastrointestinal surfaces where they may influence effector cells and also circulate systemically where they act as intercellular communicators. As intercellular communicators, they are responsible for the regulation of a variety of immune, hormonal, and metabolic pathways that have widespread systemic effects. The investigators postulate that by supporting passive immunity in the gut against multiple human germs, the resulting avian immunoglobulins, known as IgY, are transferred to the egg yolk, parallel to the way human immunoglobulins (IgG) are passed to the placenta. From this discovery, a new functional food was born: the “hyperimmune egg.” IG 26 DF is the result of special hyperimmune egg harvesting and processing techniques that result in a polyvalent, immunoglobulin-rich, dried hyperimmune egg food product that can be consumed as a dietary supplement.

IgY Immunoglobulins and Passive Immunity
Hyperimmune egg provides a concentrated source of environmentally specific IgY antibodies and immune-supporting cofactors that can confer passive immunity to the human being who consumes it. There are over 100 patents associated with the production of hyperimmune egg and its use in animals and humans, and it is a self-affirmed GRAS (generally recognized as safe) product—a designation that affirms safe consumption. Furthermore, hyperimmune egg and IgY have been studied extensively.*

IgY stability through the orogastrointestinal tract and its safety profile are well-documented. In vitro, animal, and human research support the benefits of custom IgY solutions, IgY-supplemented diets, and IgY-containing pastes that are designed for use in the dental plaque environment and to promote gingival health.*

Intestinal Health
In a study of healthy volunteers, the use of an oral rinse containing an aqueous IgY solution increased the presence of active antibodies in saliva. Moreover, in vitro, animal, and human research support the benefits of custom IgY solutions, IgY-supplemented diets, and IgY-containing pastes that are designed for use in the dental plaque environment and to promote gingival health.*

Discussion
Decades ago, immunology researchers began investigating the possible health benefits to humans that could be achieved by the consumption of products from hyperimmunized lactating cows and laying hens. Agricultural scientists soon discovered that they could simultaneously immunize a single laying hen against multiple human germs. The resulting avian immunoglobulins, known as IgY, are transferred to the egg yolk, parallel to the way human immunoglobulins (IgG) are passed to the placenta. From this discovery, a new functional food was born: the “hyperimmune egg.” IG 26 DF is the result of special hyperimmune egg harvesting and processing techniques that result in a polyvalent, immunoglobulin-rich, dried hyperimmune egg food product that can be consumed as a dietary supplement.

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Joint Health
A small, 60-day, open-label pilot study (n=13) examined the effects of a multivitamin/mineral drink mix containing hyperimmune egg powder (4.5 g) on joint health. A statistically significant (P<0.05) reduction in mean global assessment scores at 30 and 60 days was recorded. In a subgroup of patients, this result continued for 30 days after discontinuation of the drink.*

Cardiovascular Health
In a 26-week, double-blind, placebo-controlled pilot study of military personnel (n=46), consumption of a supplement drink with hyperimmune egg (4.5 g) positively affected serum lipoprotein levels in comparison to controls and placebo (supplement drink without hyperimmune egg). The investigators suggested that hyperimmune egg may modify serum lipoprotein regulation and thereby support cardiovascular health.*

Muscle Performance and Recovery
Clinical studies completed at the Human Performance Laboratory at the College of Charleston in South Carolina explored the sports-related benefits of hyperimmune egg. Compared to an egg-protein placebo group, oral supplementation of hyperimmune egg (4.5 g to 13.5 g) for 10 days resulted in a significantly lower submaximal heart rate and higher peak power. In a double-blind, balanced, matched-pairs study, oral supplementation of hyperimmune egg (4.5 g to 13.5 g) improved strength performance and enhanced muscle recovery. The supplemented group also experienced significantly enhanced muscle recovery.*

*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.
IG 26 DF Supplement Facts
Serving Size: 1 Scoop (about 4.5 g) Servings Per Container: About 30

<table>
<thead>
<tr>
<th>Nutrient</th>
<th>Amount Per Serving</th>
<th>%Daily Value</th>
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<tbody>
<tr>
<td>Calories</td>
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<tr>
<td>Calories from Fat</td>
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<tr>
<td>Total Fat</td>
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<tr>
<td>Saturated Fat</td>
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<td>Cholesterol</td>
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<tr>
<td>Protein</td>
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*Percent Daily Values are based on a 2,000 calorie diet.

Ingredients: IgY Max™ Hyperimmunized egg powder.

Contains: Egg

DIRECTIONS: Blend or shake one scoop in cold liquid, or sprinkle it on cold food such as salad, or use as directed by your healthcare practitioner. Do not heat, cook, or add to hot food or liquid.

Consult your healthcare practitioner prior to use. Individuals taking medication should discuss potential interactions with their healthcare practitioner, and individuals with egg allergies should not consume this product. Do not use if tamper seal is damaged.

DOES NOT CONTAIN: Wheat, gluten, yeast, corn, soy, dairy products, fish, shellfish, peanuts, tree nuts, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, or artificial preservatives.

STORAGE: Keep tightly closed in a cool, dry place out of reach of children.

Quality of Life
HIV/AIDS patients (n=31) with varying levels of sickness were administered hyperimmune egg (4.5 g) for four to eight weeks. The supplementation proved to have significant benefits on quality of life as observed by improvements in multiple parameters of physical and mental wellbeing, such as abdominal distress, energy levels, weight gain, and sleep.††

References

Additional references available upon request

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