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.¹⁷ Preliminary studies suggest that these immunoregulatory factors in IG 26 DF benefit cytokine modulation, joint health, blood lipid metabolism, exercise performance, and overall wellness.¹⁸

Cytokine Modulation Hyperimmune egg contains heightened levels of cytokine inhibitory factor (CIF) and cytokine activating factor (CAF).¹⁴,¹⁵ These bioactive molecules help balance the production of cytokines such as TNF-alpha and are believed to help the immune system recognize when to turn on and when to turn off.¹⁴,¹⁵

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.¹⁶

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).¹⁷ 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.¹⁸ 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

*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 Capsule Supplement Facts
Serving Size: 4 Capsules

<table>
<thead>
<tr>
<th>Amount Per Serving</th>
<th>% Daily Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calories</td>
<td>10</td>
</tr>
<tr>
<td>Total Fat</td>
<td>1 g 1%*</td>
</tr>
<tr>
<td>Cholesterol</td>
<td>30 mg 10%*</td>
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**Hyperimmunized Egg Powder** 2 g

*Percent Daily Values are based on a 2,000 calorie diet.
**Daily Value not established.

Other Ingredients: HPMC (capsule), medium-chain triglyceride oil, silica, and dicalcium phosphate.

Contains: Egg

DIRECTIONS: Take four capsules per day, or as directed by your healthcare practitioner.

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.

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

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.

IgY Max

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IG 26 DF Powder Supplement Facts
Serving Size: 1 Scoop (about 2 g)

<table>
<thead>
<tr>
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<th>% Daily Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calories</td>
<td>10</td>
</tr>
<tr>
<td>Total Fat</td>
<td>1 g 1%*</td>
</tr>
<tr>
<td>Cholesterol</td>
<td>35 mg 12%</td>
</tr>
<tr>
<td>Protein</td>
<td>1 g</td>
</tr>
</tbody>
</table>

**Hyperimmunized Egg Powder** 2 g

*Percent Daily Values are based on a 2,000 calorie diet.
**Daily Value not established.

Other Ingredient: Silica.

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.

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References


Additional references available upon request

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less muscle soreness.[19] Other studies presented in 2008 at the Southeast American College of Sports Medicine Conference and the National Strength and Conditioning Association Conference suggested that hyperimmune egg significantly increased levels of growth factor, insulin-like growth factor-1 (IGF-1), and related molecules. Furthermore, there was also a significant increase in the overall bioavailability of IGF-1.[20-22]

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.[23]