**Discussion**

While studies are still underway to demonstrate the power and versatility of yeast-derived beta glucan, by the 1960s it was already widely recognized as an immune enhancer. Yeast beta glucan is the subject of more than 800 scientific studies. Two important facts make the ingredient outstanding: 1) its unique mechanism of action has been clearly defined and accepted by the scientific community; 2) its health benefits are demonstrable by measuring significant increases in phagocytosis, selective cytokine release and oxidative degranulation.

Each source of beta glucan, including bacteria, fungi, oats, barley, rye, and yeast has its own unique structure of glucose linkages. The 1,3/1,6 linkages of yeast beta glucan are known to spark the greatest degree of biological immune enhancement. The key difference in these sources is concentration of 1,3/1,6 beta glucan.

Unlike many other beta glucan formulas on the market, Health Tools' ImmuFlex 3-6 is refined to remove most impurities including proteins and fats that can interfere with its uptake and effectiveness. A component called “mannan” that may trigger an allergic reaction or inflammatory bowel flare in sensitive individuals is also removed.

Once in the body, beta glucan is bound to immune cells called macrophages. The macrophages degrade it into small beta glucan fragments that are secreted and bound to innate immune cells (neutrophils). Neutrophils, the primary cells in the immune response, are the most abundant immune cells circulating throughout the body. When these cells are bound with the small beta glucan fragments, they become primed and are better able to kill pathogenic challenges such as bacteria, viruses, fungi and parasites. Through a process called chemotaxis, these primed neutrophils migrate to the site of tumors or infections with enhanced killing capability.
**Supplement Facts**

<table>
<thead>
<tr>
<th>Amount Per Serving</th>
<th>% Daily Value</th>
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</thead>
<tbody>
<tr>
<td>Whole Glucan Particle</td>
<td>500 mg **</td>
</tr>
<tr>
<td>(High Potency Beta Glucan naturally derived from <em>saccharomyces cerevisiae</em>)</td>
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</tr>
</tbody>
</table>

**Other Ingredients:** HPMC (capsule), vegetable stearines, stearic acid, silicon dioxide.

**PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS:**

5,702,719; 4,992,540; 4,962,094; 5,032,401; 5,037,972; 5,504,079; 5,741,495; 6,020,324; 5,576,015; 6,143,731.

**References**


**Cautions**

Persons with known or suspected yeast allergies should avoid taking ImmuFlex 3-6. Pregnant or lactating women should consult their healthcare practitioner before use.

* *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.*