



Manufacturers of  
Hypo-allergenic  
Nutritional  
Supplements



## Beta-glucan

### What Is It?

Beta Right™ concentrated beta-1,3/1,6-glucan polysaccharide provides high potential support for healthy immune cell activity, natural defense, and cellular health of the breast and colon.\*

### Uses For Beta-1,3/1,6-Glucan

**Advanced Immune and Cellular Support:** Absorbed as a whole glucan particle in the Peyer's patch of the small intestine, beta-1,3/1,6-glucan then binds to specific receptor sites on the surface of macrophages, first-line defense cells in the body. The long-chained, highly-branched structure of the yeast-derived beta-1,3/1,6-glucan allows for optimal binding and activation of macrophages. Unbranched beta-1,3-glucan from oats does not have these same enhanced properties. Activated macrophages help to promote a healthy immune response. Unlike other forms of beta-glucan, purified, whole particle beta-1,3/1,6-glucan does not contain mannoprotein and components from the yeast cell wall, allowing for a greater concentration of active ingredient and enhanced absorption. Beta-1,3/1,6-glucan may be especially supportive of immune function and cellular health associated with the breast and colon.\*

### What Is The Source?

Beta-1,3/1,6-glucan (beta-1,6 branched beta-1,3-glucan) is a natural polysaccharide extracted from the cell wall of *Saccharomyces cerevisiae*, otherwise known as Baker's yeast. Beta Right™ Beta-glucan is a registered trademark of Biopolymer Engineering, Inc

### Recommendations

Pure Encapsulations recommends 1 capsule (425 mg providing 60% Beta-1,3/1,6-glucan), 1-2 times daily, between meals.

### Are There Any Potential Side Effects Or Precautions?

If pregnant or lactating, consult your physician before taking this product. Not recommended for young children. Individuals sensitive to yeast and individuals with an autoimmune disorder should avoid this product.

### Are There Any Potential Drug Interactions?

At this time, there are no known adverse reactions when taken in conjunction with medications.

### References:

1. Lee JN, Lee DY, Ji IH, Kim GE, Kim HN, Sohn J, Kim S, Kim CW. Purification of soluble beta-glucan with immune-enhancing activity from the cell wall of yeast. *Biosci Biotechnol Biochem* 2001 Apr;65(4):837-41
2. Abel G, Czop JK. Stimulation of human monocyte beta-glucan receptors by glucan particles induces production of TNF-alpha and IL-1 beta. *Int J Immunopharmacol* 1992 Nov;14(8):1363-73.
3. Cheung NK, Modak S, Vickers A, Knuckles B. Orally administered beta-glucans enhance anti-tumor effects of monoclonal antibodies. *Cancer Immunol Immunother* 2002 Dec;51(10):557-64
4. Bogwald J, Johnson E, Seljelid R. The cytotoxic effect of mouse macrophages stimulated in vitro by a beta-1,3-D-glucan from yeast cell walls. *Scand J Immunol* 1982 Mar;15(3):297-304.
5. Vetvicka V, Terayama K, Mandeville R, Brousseau P, Kournikakis B, Ostroff G. Pilot Study: Orally-Administered Yeast Beta 1,3-glucan Prophylactically Protects Against Anthrax Infection and Cancer in Mice. *JANA* 2002; 5(2) 1-5.
6. Healthnotes Clinical Essentials. Copyright 2004. Healthnotes, Inc.

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**Beta-glucan**

**each vegetable capsule contains** 

beta-glucan .....425 mg.  
(providing 60% beta-1,3/1,6-glucan) (min.) ..... 255 mg.

*Individuals sensitive to yeast and individuals with an autoimmune disorder should avoid this product.*

**1-2 capsules per day, in divided doses, between meals.**