Documentation

Nutramunity™ Beta-Glucan (NBG®)
A naturally-derived and versatile immune health ingredient

Baker’s yeast beta-1,3/1,6-glucan
DOCUMENTATION

Nutramunity™ is a beta-1,3/1,6-glucan, a naturally-derived bioactive component isolated from the cell walls of baker’s yeast (*Saccharomyces cerevisiae*). In its purified form, this beta-glucan functions as a signal that alerts the innate immune system and prepares it to respond quickly and adequately. Beta-1,3/1,6-glucan from baker’s yeast has been studied by a number of independent research groups and companies worldwide. Below is an excerpt of the scientific literature concerning this beta-glucan.

IMMUNE FUNCTION

Clinical studies have shown that beta-glucan from baker’s yeast improves immune function. Substantial preclinical research constitutes the foundation for the clinical studies.


- Biotec Pharmacon ASA, NBG® reduced sick leave with 44,2 % in a one year study. Internal company information, 2008.*


HEALTHY INFLAMMATORY RESPONSE

Beta-glucan from baker’s yeast promotes healthy inflammatory response.


• Sener, et al., Protective effect of beta-glucan against oxidative organ injury in a rat model of sepsis. Int Immunopharmacol, 2005.5(9):1387-1396. †


SKIN HEALTH

Beta-1,3/1,6-glucan from baker’s yeast has been used as an ingredient in skin care for a long time and is attractive because of its positive effects on skin tissue and potential in skin repair.

• Wolk and Danon, Promotion of wound healing by yeast glucan evaluated on single animals. Med Biol, 1985.63(2):73-80. †

HEALTH AND PERFORMANCE IN ATHLETES

Beta-glucan from baker’s yeast has positive effects on the immune status of athletes. Athletes expose themselves to hard physical (muscular, circulatory as well as respiratory) stress, which renders their immune system particularly vulnerable.

• Biotec Pharmacon ASA, **NBG® reduced sick leave with 44.2 % in a one year study.** Internal company information, 2008.


CHILDREN

The positive effects of beta-1,3/1,6-glucan from baker’s yeast on mucosal immunity that have been found in adults, have been demonstrated also in children.


