THE PRODUCT

M-Gard® is a natural ingredient, a beta 1,3/1,6 glucan from a proprietary strain of baker’s yeast. M-Gard® is safe and effective immune-enhancing agent for a variety of applications including functional foods and beverages, dietary supplements, sports nutrition products and cosmetics. M-Gard® can be obtained in a variety of different formats and concentrations including particulate and suspensions. The product is odour-free and easy to blend into existing formulas. M-Gard® is a stable ingredient with a shelf life of 5 years and is not effected by pH, temperature, or other physical influences typically encountered in the nutraceutical, food or beverage processing industry.

Safe for everyday consumption, M-Gard® is

- Naturally-derived
- Safe for people with yeast allergy
- Non-GMO
- Allergen- and Gluten free
- Produced according to GMP and ISO 9001:2008 standards
- Halal & Kosher certified
- Yeast beta-1,3/1,6-glucan is GRAS for food use in US

THE COMPANY AND HISTORY BEHIND M-GARD®

Biotec BetaGlucans AS (BBG), a subsidiary of Biotec Pharmacon ASA, develops, manufactures and markets immune modulating compounds for the human health sectors, amongst others the nutraceutical, functional food and cosmetic sectors. The company is spearheading research on products that may prevent or treat diseases caused by failure, imbalance and over-reaction of the immune system. M-Gard® is the pinnacle of almost 30 years’ of scientific efforts based on heavy investments in R&D. M-Gard® is produced in BBG’s own production facility in Norway.

THE RESEARCH BEHIND M-GARD®

The technology behind M-Gard® is supported by a large variety of animal and human trials and in various applications. All these applications have one thing in common – supporting the innate immune system being out-of-balance. The technology behind M-Gard® has been successfully developed for several alternative indications and applications including nutraceuticals (enhanced resistance against bacterial, viral infections, etc.), wound care (improved healing of chronic wounds; product Woulgan®), immunotherapy (cancer treatment), as well as treatment of oral mucositis and certain bowel diseases. For more information, please consult: www.biotec.no/beta-glucans and www.woulgan.no.

In a nutshell, BBG's beta 1,3,1,6-glucan is supported by a number of clinical and animal trials as well as safety and mechanism of action studies. The vast majority of BBG studies and trials have been published in peer-reviewed science or medical journals. The research supporting the M-Gard® technology was conducted with BBG's own ingredient.
HOW DOES M-GARD® COMPARE TO OTHER YEAST BETA GLUCAN ALTERNATIVES?

M-Gard® helps support healthy immune function, in a large variety of different situations all connected to rebalance an imbalanced immune system. M-Gard® studies have demonstrated that beta-1,3/1,6-glucan:

- Strengthens the immune system
- Improves overall physical health
- Protects in periods of exceeded stress
- Promotes healthy inflammatory response
- Supports respiratory health

FURTHER PRODUCT DETAILS AND OUTLOOK

- M-Gard® provides a commercially very attractive alternative to existing products on the market
- The product is available at very competitive prices
- The product is protected by a variety of Intellectual Property Rights, including trademarks and trade secrets
- Additional documentation studies are planned for 2017
- BBG will exhibit at VitaFoods 2017 in Geneva – Booth K85

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REFERENCES