



Presents for your consideration:

## MaitakeGold 404®

By **UpLife**

- Available in 3 exceptional formulations for patients' specific immune support needs
- Protected by two U.S. Patents
- Activates immune cells and cytokines within hours of administration
- Potent immunostimulant that activates a full complement of immune cells
- Currently being used exclusively in a 3 year U.S. Government funded study
- Each lot is independently certified *in-vivo* for bioactivity

Many of the compounds found in medicinal mushrooms are classified as Host Defense Potentiators (HDP). These compounds beneficially target the human immune system through a host-mediated (T cell) immune mechanism that helps the body regulate the development of lymphoid stem cells and other important defense responses.

While the role of medicinal mushrooms in cellular and immune health is strong, one of the challenges is that many of them may lose effectiveness when taken orally. Studies have shown that maitake is the most effective of the medicinal mushrooms when taken orally.

### MaitakeGold 404® Research

In the 1980's, Dr. Hiroaki Nanba of Kobe Pharmaceutical University in Japan was asked to investigate the health benefits of maitake mushroom. Dr. Nanba has spent over 20 years investigating the immuno-modulating effects of maitake.

In 1984, Dr. Nanba identified a polysaccharide fraction from maitake that had the ability to stimulate

### UpLife MaitakeGold 404® Product Offerings

**Immuglucan™** - each vegetarian capsule contains 5 mg of MaitakeGold 404® along with a proprietary organic 10 mushroom blend.

**Pharmacell™** - each vegetarian capsule contains 25 mg of MaitakeGold 404® blended with a proprietary organic shiitake brown rice biomass.

**Cell Serum™** - alcohol free liquid extract concentrated to 1200 mg of MaitakeGold 404® per 30 ml.

macrophages and cytokines. Numerous successful studies were conducted by Dr. Nanba on this material.

Throughout the 1990's Dr. Nanba and his team continued to study maitake with the goal of refining and improving the activity of the extract. Based on his innovations and improvements of his previous invention Dr. Nanba was awarded a U.S. Patent #5,854,404 for his important advance upon the maitake extract. This patented extract is exclusively marketed in North America under the name MaitakeGold 404®, which Dr. Nanba believes is his most therapeutically concentrated maitake extract developed to date. The patent states: "The main feature is to enhance the anti-tumor activity and immunopotentiating activity by removing floating or adhering matter. Because removal of the floating and adhering matter brings about enhancement of the anti-tumor activity and immunopotentiating activity of the extract, the step of removing said matter is extremely important."

### Patented Immune Support

The active compounds in MaitakeGold 404® have been the subject of numerous studies published in peer reviewed journals supporting their efficacy. MaitakeGold 404® is one of the most comprehensive patented immunostimulants available in the nutraceutical category. According to Dr. Vaclav Vetvicka of the University of Louisville School of Medicine, "Based on our experimental data, we can conclude that some of the samples, particularly MTG {MaitakeGold 404®} is a highly active immunomodulator both in phagocytosis and stimulation of cytokine release. MaitakeGold 404®'s significant effects are focused mainly on the cellular branches of immunity".

### Immuno Preventative

When used in lower dosages MaitakeGold 404® is the ideal nutritional ingredient to support healthy immune function for individuals who are in good health but who are seeking additional cellular protection. MaitakeGold 404® may be taken safely on a continuing basis to help potentiate and activate immune

system functioning for good health and wellbeing. UpLife™ Immuglucan™ sku with MaitakeGold 404® is appropriate for immuno-preventative applications. The Immune Cascade for Optimal Support

Immune cells have an interdependent and complex relationship with each other. It is important to note that it is critical to immune system functioning to have all of the body's cellular immune components acting synergistically when confronting pathogens such as viruses or other pathogens. Recent independent laboratory research (in the form of *in vivo*, controlled animal oral feed studies) conducted at the University of Louisville School of Medicine substantiates that MaitakeGold 404® activates a full complement of immune cell components including TNF alpha, Macrophages, phagocytosis activity, NK Cell activity, Interleukin 1 and others.

### **Immuno-Therapeutic**

At elevated doses the active compounds in MaitakeGold 404® have been shown to be a powerful therapeutic immunostimulator. Research has strongly indicated that Maitake helps activate macrophages and natural killer cells, and in addition "potentiates the activities of various mediators including lymphokines and interleukin-1 to enhance cellular functions and to prevent a decrease in immune functions". This can be an important issue for those individuals in need of adjuvant therapy. UpLife™ Pharmacell™ and Cell Serum™ sku's with MaitakeGold 404® are appropriate for immuno-therapeutic applications.

### **ImmuneActive™ Certification**

Each lot of patented MaitakeGold 404® is tested at the University of Louisville to validate its phagocytosis activity. The test analyzes MaitakeGold 404® and a control. Using a well established technique, the level of phagocytic activity is then measured in macrophages. Phagocytosis is understood as one of the most important activities in immunology because it is regarded as the body's first line of defense. Simply put, for an immune support product to be of benefit, it must be able to stimulate phagocytosis, thereby protecting the body against daily health challenges.

### **The Gold Standard**

MaitakeGold 404® is produced using a strain of organically grown maitake (*Grifola frondosa*) fruit body which was created using proprietary cultivation techniques and a patented drying process from the largest grower of maitake mushroom in the world. (U.S. Patent #6,616,928).

### **Safety of MaitakeGold 404®**

MaitakeGold 404® is extracted without the use of harsh solvents such as hexane, methane or acetone. MaitakeGold 404® extracts contain NO alcohol, yeast, sugar, artificial colors or flavors, animal products or preservatives. Toxicity studies indicate that MaitakeGold 404® is non-toxic and has no immutable side effects. In conjunction with the 3 year multi-phase U.S. Government funded trial being conducted exclusively with MaitakeGold 404® the product has received an IND (Investigational New Drug) number by the research institution conducting the trial.

### **References**

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\*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.



***Is the logical choice!***

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