



# Tiagacin FP®

**Advanced Naturopathic Medicine  
Evidence Based & Clinically Proven Dietary Supplement**

- Mushroom Derived Immune Modulator
- Supports Macrophage Activating Factor Production
- Concentrated Polysaccharide Beta 1-3-D glucan
- Formulated by Dr. James Chappell

## **Supplement Facts:**

**Serving Size :** Adults One Dropper Full (1ml)

**Servings per bottle:** 80 (5 week supply)

**Dose:** Adults take one eyedropper, three times per day for 5 days, then stop for 2 days and repeat.

**Shake Bottle Before Using. Keep out of reach of children.**

## **Tiagacin FP(TFP900)**

Provides polysaccharide beta 1-3-D glucans from wild harvested Tiaga mushrooms. This product is an antioxidant, antitumoral, antimutagen, oxygen catalyst detoxifier. It stimulates macrophage activating factor thus enhancing the immune system.

## **Ingredients:**

Kosher certified vegetable glycerin, wild harvested Formitopsi Penicola (Tiaga) mushrooms, sixty-six ionic trace minerals, thirteen selected amino acids, and DMSO.

This is a labor intensive nutraceutical formulated by Dr. James Chappell to modulate the immune system by enhancing macrophage activity.

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Tiagacin FP (Fomitopsis Penicola) is something unique. It's actually a hard bracket fungi (mushroom) that grows on certain cone-bearing trees. It offers numerous benefits that assist in developing a stronger immune system that results in a healthier body. The use of the raw Tiaga mushroom originated with the Northern Plateau Native Americans who observed debilitated and ill animals that later became well, after ingesting it. Taking a cue from nature, they began adding Tiaga mushroom to their personal diet. It is not listed as being edible, but it's not toxic in any way, either. When faced with plague, smallpox, and other life-threatening illness, the Northern Plateau Native Americans were able to overcome dis-ease, due to their strong immune systems.

Because they consider Tiaga to be a Native American Sacramental Medicine, no one outside the tribe was given tribal permission to share their long-held secret until 1995. Tiaga, in and of itself, does not cure anyone or anything, any more than a doctor "cures" a broken leg. However, the natural components in the mushroom appear to have antioxidant, antitumoral and antimutagen qualities, and is said to be a remarkable oxygen catalyst. It's dietary fibers can be anti-aging and assist the body in removing toxic substances. Unlike pharmaceutical drugs that are designed for specific effects in our bodies, and often result in toxic side effects, Tiagacin FP when consumed as a nutritional tea or tincture, provides several holistic benefits.

The Tiaga mushroom contains high levels of important, naturally occurring polysaccharide beta-1-3-D glucans. This configuration is shown to act as a nonspecific immune activator. This long-chain carbohydrate cleaves to certain receptor sites on the surface of white blood cells, known as macrophages and neutrophils. When a macrophage encounters beta-1-3-D-glucan, it becomes activated similar to another polysaccharide, GcMAF or glyco protein macrophage activating factor.

All the functions, including phagocytosis (the ingestion and digestion of microorganisms, insoluble particles, damaged or dead host cells, cell debris and activated clotting factors), release of certain cytokines (intercellular hormones), and the processing of antigens, are improved and brought up-to-date. Macrophages are extensively involved in everyday detoxifying processes, intestinal flora maintenance, anti-infective and anti-tumor protection and maintenance of overall health integrity. They, in turn, carry the beta-glucans to all point throughout the body via the lymph system, and pass them off to other, unaffected white blood cells. The result is a body-wide cascade of immune enhancement that has a dramatic impact upon every organ, disease, and system in the body.

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Research tells us that beta-1-3-D-glucans are acid-resistant, and are able to pass through the acid-rich environment of the stomach, unaffected and unchanged. In their travels they are further protected because our intestines lack the enzymes that are necessary to break them down into simpler, ineffective glucose molecules. The white blood cells that inhabit the lining of the digestive tract, from the mouth all the way through, take up the beta-glucan that is absorbed, and transport it to the local lymph nodes (Payers Patches) as a part of their natural antigen-presenting function. That "function" is to release cytokines (IL-1, IL-6, GM-CSF, Interferons) and induce systemic immune activation. This modulation triggers the mass production of those white blood cells responsible for protection against invading microorganisms and pathogens, as well as certain others that are vital to our body's process of regeneration and healing. From there, all other white blood cells are informed, and a whole-body cascade of immune modulation is initiated.

The mechanism described above is called phagocytic transport. Although most of the research with this substance has been done in vitro and parenterally, later research at the Baylor College of Medicine indicates the oral effectiveness of purified beta-1-3-D-glucan. It is important that the size of the beta-glucan be very small so that it can be absorbed easily into the lining of the digestive tract. If it is processed in too large a particle, it passes right through the gut and is of no benefit. Tiaga tea glucan particles are measured in picograms--the actual size of the beta-1-3-D-glucan molecule. For your information, a picogram is one-trillionth of a gram. Beta-1-3-D-glucan itself can elicit broad anti-infective effects. Even an incomplete list of microorganisms against which a protective effect of glucan has been established, would include *Staphylococcus aureus*, *Escherichia coli*, *Candida albicans*, *Pneumocystis carinii*, *Listeria monococytogenesis*, *Leishmania donovani*, *Herpes simplex*, and *Ascaris suum*. This list, as you can see, includes bacteria, fungi, viruses and parasites. None of the anti-infective agents possess such a broad spectrum of activity. Unlike an antibiotic compound interfering with metabolism of a pathogen, beta-1-3-D-glucan is a substance that modifies host response to cells genetically different from the host.

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Numerous studies support the theory that an antibiotic and a macrophage activator work synergistically. Macrophages and neutrophils are the two types of cells upon which all other immune cells rely. You can have many viable B-cells and T-cells, but they won't be effective without the programming provided by these "communicator" cells, as they're called. Healthy neutrophil cells can also bring about regeneration of damaged tissues in the body, and they have inherent intelligence and mobility. When an invader is introduced into the body, it's the job of the neutrophil cell to take a piece of that invader, either to the B-cell (if it happens to be a bacteria) or to the T-cell (if it happens to be a virus, cancer or other non-specific antigen). Once presented, antibodies (as in the case of the B-cell) or cytotoxic chemicals (as in the case of the T-cells), are produced, and the body now has what it requires to eliminate the invader. Isn't this amazing? This is referred to as the "cellular handshake," because of the cooperation exhibited between differing cells in our body.

Obviously, it's preferable to have an abundance of healthy neutrophil cells. Neutrophils also appear to be able to provide undifferentiated stem cells to areas of the body which may be in need of repair. This is how regeneration can occur. Utilizing Dark-field Electron Microscopy, Interferon levels have been observed to have risen as much as 2000% of normal within twenty hours after ingesting extracts from this Ganoderma family of fungi, which includes the popular and well-known Reishi variety. It has also been observed that the number and viability of the neutrophil cells can increase by as much as 4000% within the same twenty hour time frame. Anecdotal results, and limited testing suggests that there may be more beneficial components present in Tiaga than in any members of the Ganoderma family of fungi.

These new "fighter cells" enter the bloodstream, expecting to locate an infection, (I mean they're really looking for a fight), but they're programmed to kill only those infections that have the markers that they recognize as the enemy. If the neutrophils recognize no infection to attack, they begin seeking out anything that may be wrong, and destroy it. If they're abundant enough in the body, they attack invading pathogens and cancer cells.

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**SUGGESTED DOSE:** Tiagacin FP comes in a two ounce cobalt blue tincture bottle with a glass pipette. One full eyedropper (shows as 1/2 of the glass tube when drawn into) contains approximately 28 - 30 drops of liquid. There are then 80 full eyedroppers in each two ounce bottle. Take ONE eyedropper, three times per day depending on need for five days then stop for two days and repeat. Taking Monday through Friday is the best way to remember this dose recommendation. At three eyedroppers per day, one bottle should last ONE month and about SEVEN days. It depends on how hard you squeeze the bulb of the pipette and how much tincture is drawn into it.

**TESTING EFFICACY:** When using immune modulators or any other nutraceutical, one way to prove whether or not it is working is NOT just by the way you "feel." Having a blood, or saliva, urine, hair, stool or other diagnostic test is suggested. If you have an infection, one test or another will show the pathogen AND the load (amount of the specific pathogen). If you have cancer, having an AMAS and Nagalase test will show markers indicating levels of cancerous or viral involvement.

Once you have a baseline test, you can start any remedy or protocol/program and then periodically retest to show how effective your remedy or protocol/program is. Tiaga mushroom extract has proven to be very effective as a detoxifier and immune modulator. Tiagacin FP is a brand new product with only anecdotal testimonies stating improvement in specific illnesses. We are waiting for before and after diagnostic evidence to prove exactly what this product is doing. We encourage all those taking this product to have before and after tests and then share the results with either Dr. Chappell or the WholeWellness Club for public disclosure without personal identification.

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Additional benefits observed with regular use - Bitter terpenoid compounds assist in the removal of toxins from the body, providing support for the liver, spleen and thymus, essential to insuring that immune cells are properly programmed. These compounds also provide the precursors to Squaline, from which the body creates DHEA, referred to as the "mother" of all hormones. Antiinflammation benefits result from natural steroids found in therapeutic quantities in Tiaga. Hypoglycemic glycans and Proteoglycans assist in the regulation of both insulin production and blood sugar. Two Angiotensin-1-converting enzyme inhibitors in Tiaga (Ganoderic and Fomeric acids) assist the body to stabilize blood pressure, naturally. No fewer than six various hetero beta-D-glucans, having the 1-3 glucan chain referred to earlier, have been found in Tiaga (beta-D-glucan; glucurone-beta-glucan; arabinoxlo-beta-D-glucan; xylo-beta-D-glucan; mannobeta-D-glucan; and xylomanno-beta-D-glucan). The presence of these glucanoids go a long way toward explaining the strong anti-tumoral effects on the body.

Russian scientists are reported to have isolated the highest, naturally-occurring Germanium found in this any medicinally useful food within this family of fungi. Germanium is an oxygen catalyst, and one of the most powerful free-radical scavengers (antioxidant) found in nature. It can enhance to oxygen supply going to the body's cells, in turn increase energy production. According to the college textbook, *The Pathological Basis of Disease* (Saunders; 1984), "Hypoxia, which is oxygen deficiency may be the most common cause of cell injury, and may also be the ultimate mechanism of damage initiated by a variety of physical, biological, and chemical agents." The importance of the body's cells being properly oxygenated cannot be overstated. Germanium has been reported to enhance breathing substantially, "delivering up to 200 times more oxygen to the cells." Tiaga helps to promote an alkaline systemic pH in the body. Many who have followed an alkaline diet while taking it, even some who were experiencing the most debilitating diseases, have reported stronger immune systems, increased survival rates, and pain reduction.

Tiagacin FP contains Kosher certified vegetable glycerin, distilled water (pH neutral), wild harvested Tiaga Fomitopsis Penicola mushroom, 66 ionic trace minerals, 13 added amino acids and DMSO as a transporter. This is an extremely powerful natural immune modulator.

These statements have not been evaluated by the Food and Drug Administration (FDA). These products are not meant to diagnose, treat or cure any disease or medical condition. Please consult your doctor before using if you are pregnant or nursing.

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