

# [BioTrōpic AFA Supplements](#)

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[Click here to Learn How To Take](#)

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[30-Day, 100% Satisfaction Guarantee](#)

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### **The Matrix**

The ingredient matrix works synergistically for the highest levels of support for generating explosive power, strength, oxygen transport and energy production, designed for your best training and competitive performances.

## Unique Formulas

Two of our products, BioTropic AfA and Chlorella, have foundational similarities. However, their ratios are differentiated and each has a stand out ingredient that produces different outcomes.

### What The AFA Formula Does

This formulation was developed to oxygenate muscles, boost power, increase muscle growth, heighten alertness, focus, and aid in recovery. It has also been reported to support weight loss.

Containing the highest levels of chlorophyll, this formulation supports delivering a greater amount of oxygen-rich red blood cells to muscles throughout the body, most notably when you're exercising.

For an alternative supplement supporting blood oxygen development but with a different twist, [check out BioTropic Chlorella here](#).

### Take with Discipline

Remember, as we always say, you have to take with discipline to see the benefits, and, you're the expert on your sport and personal chemistry, so experiment, find out what works for you, and maintain it!

### Supercharge Your Body's Engine

Your energy system needs the very best fuel supplement.

BioTropic is created to safely and naturally deliver:

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This stack of ingredients acts like a **HIGH POWERED RELAY TEAM**, each ingredient handing the baton off to the next athlete-ingredient in the series.

[mk\_circle\_image src="http://www.biotropiclabs.com/wp-content/uploads/2016/06/Chlorella-shutterstock\_237140185-mobile.jpg" image\_diameter="60"] takes the baton **converting nitrates** to nitric oxide causing vasodilatation (expansion of blood vessel

walls) **supporting deliver of higher oxygen rich blood**, delivered to hard working muscles.[mk\_circle\_image src="http://www.biotropiclabs.com/wp-content/uploads/2016/08/2010-08-06\_Cordyceps\_militaris\_1.jpg" image\_diameter="60"]is next up supporting highly coveted **Adenosine Triphosphate production (ATP) production**, the equivalent to charging up your "electrical system," your body's battery power pack. This boost gives you **more energy to train and compete with**. It is also believed to offer oxygen carrying capabilities offering additional oxygen transport.[mk\_circle\_image src="http://www.biotropiclabs.com/wp-content/uploads/2016/06/Echinacea-shutterstock\_234307249-mobile.jpg" image\_diameter="60"]takes the handoff which is thought to **support the production of blood rich**, oxygen carrying red blood cells (RBCs). More RBCs support more oxygen to working muscles. This means **increased and intense workload capabilities**. [mk\_circle\_image src="http://www.biotropiclabs.com/wp-content/uploads/2016/08/Vitamin-Complex-shutterstock\_95764198.jpg" image\_diameter="60"]The baton gets handed off to the **cleanest, highest grade, vegan fed Liver Anhydrate**. Your blood stream gets supercharged **with the most essential and desired vitamins, especially the oxygen carrying B-matrix, Iron, Copper, Zinc, macro and micro minerals**. These components keep your **electrolytes in constant balance**, resulting in your blood, muscles and entire biological engine becoming charged up and fined tuned for optimal training and performance. [mk\_circle\_image src="http://www.biotropiclabs.com/wp-content/uploads/2016/06/Beetroot-shutterstock\_240590320-mobile.jpg" image\_diameter="60"]is believed to detoxify your **blood, purifying it**, delivering cleaner blood content to hard working muscles. Also, it is thought to **support muscle stem cell repair** so recovery times can be shortened too. [mk\_image src="http://www.biotropiclabs.com/wp-content/uploads/2016/08/img-relay.png" image\_size="full"] [mk\_image src="http://www.biotropiclabs.com/wp-content/uploads/2016/08/i

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### **Detoxify blood, Cell Production Accelerator, Cellular Energy & Nucleic Acids**

**Aphanizomenon Flos-Aquae (Blue Green AFA)**

**Energy, Oxygen and Blood Builder – A Complete Vegan Food Source**

“Professional athletes such as Olympic Gold Medalist swimmer Ryk Neething and MMA Fighter Eric Triliegi use AFA to enhance both their physical and mental performance by nourishing their bodies at a cellular level.”[mk\_toggle title="More detail"]

#### **In Action**

- Protect & Detoxify Your Blood – Cleaner Fuel For Higher Performance
- Stem Cell Repair Means Faster Recovery – Shorten Rest

## Time Between Training

- Mood Enhancer/Nootropic Effect – Feel Better, More Confident, Higher Focus
- An athlete's dream food, a nutrient dense whole food that contains sun powered protein and energy.

## Oxygen Capacity and Blood Builder

It is believed to increase athletic performance because it is thought to support blood building and increase oxygen uptake. Higher oxygen uptake means more fuel to hard-working muscles.

Loaded with chlorophyll, this helps build our blood due to the presence of the pyrrol ring in chlorophyll, which is identical to the pyrrol ring found in hemoglobin. Blood building is believed to bring more oxygen-rich red blood cells to hard-working muscles. This translates into improved performance and endurance.

Many individuals report elevated moods and increased mental concentration too.

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#### [mk\_toggle title="More detail"]**Cordyceps In Action**

- Increase ATP, Your Body's Battery Pack
- Oxygen Carrying Capacities
- Contains a plethora of other exceptional nutrients such as proteins, nucleic acid, a variety of vitamins and minerals, as well as polysaccharides and beta-glucans, which have both been shown to be useful in improving immunity.

Cordyceps sinensis has been shown to increase ATP (adenosine triphosphate) levels in the body by almost 28%. ATP is the body's energy supply source, the body's battery, so to speak, and is required for all enzyme processes.

Among the key benefits that this supplement provides is an increase in muscle excitability, allowing your muscles to better respond to neural input, and an increase in muscular contraction strength, providing your muscles with a greater capacity to contract and shorten.

Put simply, ATP is the basic fuel for our bodies. More ATP means more fuel for health and athletic performance, allowing us to train harder for longer. In addition, Cordyceps boosts



oxygen capacity, increases recovery time, and offers immunity battling properties. Increased ATP and oxygen capacity are two major components that increase energy at a cellular level.

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- Oxygen Carrying Capacities
- Contains a plethora of other exceptional nutrients such as proteins, nucleic acid, a variety of vitamins and minerals, as well as polysaccharides and beta-glucans, which have both been shown to be useful in improving immunity.

Cordyceps sinensis has been shown to increase ATP (adenosine triphosphate) levels in the body by almost 28%. ATP is the body's energy supply source, the body's battery, so to speak, and is required for all enzyme processes.

Among the key benefits that this supplement provides is an increase in muscle excitability, allowing your muscles to better respond to neural input, and an increase in muscular contraction strength, providing your muscles with a greater capacity to contract and shorten.

Put simply, ATP is the basic fuel for our bodies. More ATP means more fuel for health and athletic performance, allowing us to train harder for longer. In addition, Cordyceps boosts oxygen capacity, increases recovery time, and offers immunity battling properties. Increased ATP and oxygen capacity are two major components that increase energy at a cellular level.

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bg\_image="http://www.biotropiclabs.com/wp-content/uploads/2016/06/running2.jpg" bg\_color="#0a0a0a" bg\_position="left center" bg\_stretch="true" video\_color\_mask="#001615" video\_opacity="0.8" padding\_top="40" padding\_bottom="20" visibility="visible-dt" el\_class="dark" sidebar="sidebar-1"][mk\_circle\_image src="http://www.biotropiclabs.com/wp-content/uploads/2016/06/Echinacea-shutterstock\_234307249.jpg"]**Boost Immune Support Naturally**

Any experienced athlete will tell you they walk a fine line between illness and health. All the right supplementation in the world won't help you if you're under the weather or headed that way, especially if a major event is up coming. The ingredients here long anecdotal histories as well as academic evidence that demonstrate they work effectively to support the immune system.[mk\_toggle title="More detail"]**Another of the beautiful things about this stack is the natural Immune Support contained within Aphanizomenon flos-squae (AFA), Organic Cordyceps Sinesis, and Chlorella.**

#### **AFA**

AFA supports boosts the immune system due to its effects on blood cells.

During exercise, free radicals can run rampant throughout the body and can cause catastrophic damage to red blood cells. AFA has been shown to delay and even protect against this damage.

Monocytes are what people are really thinking about when they hear white blood cells. Also known as leukocytes, these cells are innate immune cells, and consuming AFA supports boosting these levels within the body.

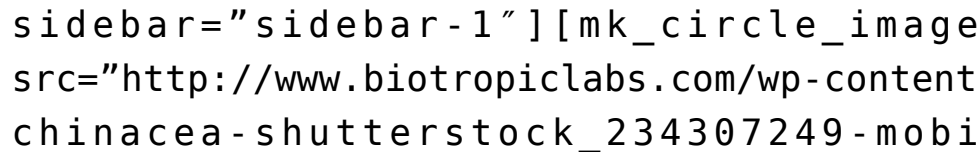
AFA also supports the increased levels of three lymphocytes (a type of white blood cell); T-cells, B-cells and NK-cells (Natural Killer cells). NK-cells are important for the immune system since they act as the first line of defense against viruses and bacterial infection. The peptidoglycans within AFA have been shown to activate NK-cells within the body.

As a bonus, AFA has also been observed to absorb heavy metals, preventing long term oxidative stress and negative cell development. (But for more of this, we really love Chlorella.)

### **Cordyceps Sinesis**

Studies have shown its support to greatly strengthen the immune system thanks to its nutrient and polysaccharide rich nature. It is believed to be turning out as a major player in the arena of health and wellness. Clinically proven to increase blood flow and increase cell strength, it is believed that Cordyceps improves the body's ability to fight infection and diseases by significantly increasing its ability to absorb oxygen and deliver nutrients. In some cases this has led to a 74% increase in cellular activity.

Research shows that it heightens the body's response and activity in fighting forms of disease and tumors. It is thought that this is likely due to its ability to deliver life sustaining properties like oxygen and nutrients to areas of the body that have been starved or damaged by the cancer. [mk\_toggle][mk\_page\_section][mk\_page\_section

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**Clean, Defatted, Vegan (Grass Fed) Argentinian Liver Anhydrate – MultiNutrients, Vitamin B Complex, Cobalt (VB12), Iron, Copper, Electrolyte Balancer, Heme**

A most important function in our bodies for athletic performance is oxygen delivery. Our oxygen carriers (haemoglobin and myoglobin) are made up around an iron atom; if we don't have enough available iron, we can't produce them. Heme iron is easily the best source of iron for this purpose –

which is what makes liver anhydrate so beneficial to the elite athlete.

[mk\_toggle title="More detail"]“Certainly desiccated liver is among the group of supplements that have been used by Olympic athletes since the 1950s to help them gain a competitive edge. Also, consider that for decades, vitamin B12 shots have been administered by doctors to energize people. Many nutritionally-oriented physicians have also recommended desiccated liver to their patients since it B12 and iron, among a host o f other nutrients essential to generating more energy and stamina.

This is the highest grade, grass-fed Argentinean beef. It is super rich in fat-soluble vitamins and minerals and vastly beneficial not only to general health, but athletic performance as well.

### **In Action**

- Highest Quality Protein
- Increases the metabolism and energy
- Increases endurance
- Eliminates fatigue
- Builds strength
- A clean energy source of Performance boosting heme iron, copper and vitamin B12
- Multivitamin and Trace Mineral Support rich in A, C, D, and B-Complex, phosphorus, iron, protein, copper and calcium zinc and chromium
- High Grade Source of CoQ10

Another author discussed experiments conducted by D.B. Ershoff, Ph.D. on laboratory animals. Reportedly, Dr. Ershoff supplemented the diets of the animals with desiccated liver, which increased their endurance by nearly 750%. The answer to the energy question appears to be yes.”

<http://www.hchs.edu/literature/Nutritional%20Yeast%20&%20Liver>

.pdf

It is a clean source of vitamin A, vitamin B12, vitamin D, and heme iron. All of these are amazing for their health benefits, but the three we are most interested in for boosting performance are heme iron, copper and vitamin B12.

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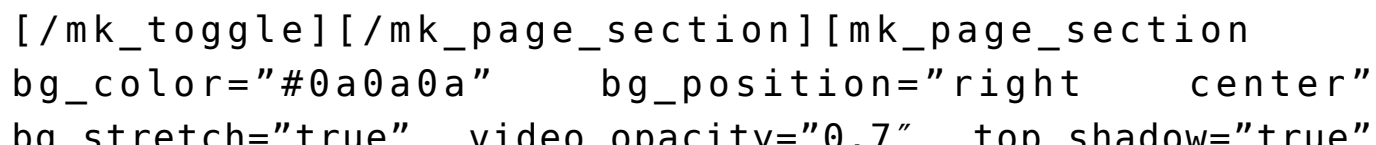
visibility="visible-dt" el\_class="dark" sidebar="sidebar-1"][mk\_circle\_image src="http://www.biotropiclabs.com/wp-content/uploads/2016/06/Beetroot-shutterstock\_240590320-e1470242562785.jpg"]Beetroot is a powerful tool for increasing the nitric oxide levels in our bodies. Nitric oxide is a vasodilator, which means it expands the blood vessels in our bodies. This allows more blood, nutrients and oxygen to get to our hard working muscles. Its nutritional value is also believed to assist in increasing the body's red blood cell count.

### [mk\_toggle title="More detail"]**Beetroot In Action**

- Increased Blood Flow To Training Muscles
- More Oxygen To Train and Compete With
- Reoxygenation of damaged cells and stimulates the production of new blood cells
- It has amazing health-boosting properties high in iron, potassium, vitamin C, and folate

One study using trained cyclists had them consume 500mL of beetroot juice 2.5 hours before exercise. They then proceeded to do two time trials – a 4km and a 16km ride. In the 4km time trials there was a 2.8% improvement, and in the 16km time trial there was a 2.7% improvement in time.

It also acts as an antioxidant. It ensures re-oxygenation of damaged cells and stimulates the production of new blood cells.

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sidebar="sidebar-1"]**A need to find an edge...**

When I was competing at such a high of a level, I was always seeking other biological competitive edges. Whether it was developing a greater and faster muscle twitch, higher concentrations of iron, or even oxygen delivery supplements, I tried everything out there.

### **Custom Formulation**

Nothing worked for me until I created a unique combination of ingredients that delivered the results I sought. I call this sports performance enhancing supplement BioTropic.

### **Higher Ground**

It raised my athletic performance to much higher levels. My workouts vastly improved. I was consistently handling world-record pace on a regular basis, and my competition times were consistently improving.

### **I Believe**

You'll get the same results with our products as they gave me. And with a 30 day no conditions guarantee, *you have nothing to lose except not finding out for yourself*. Check out the Testimonial page to see what others are saying.

### **Try it...**

I've been able to transfer my passion of pursuing the highest athletic aspirations into BioTrōpic. I would love to introduce to you the vital ingredients that helped me achieve my success at the highest levels of competition. *Try it out risk-free*. I believe your workouts or training will notably improve and you'll gain the competitive edge necessary to not just beat your personal bests, but the competition itself. [/mk\_page\_section][mk\_page\_section]

## **The ingredients in detail...**

## **Blue Green AFA**

This Blue Green Algae appears to grow only in particular places, and we use what we believe to be the purest and best form of it: wild-harvested from Klamath Lake in the forested mountains of Oregon, a pristine ecological paradise environment where numerous springs are charged with water filtered through miles of nutrient-rich volcanic soils on the flanks of the Cascade mountains.

The lake is surrounded by the mineral rich volcanic Cascade Mountain Range where rain, snow and underground springs for 10,000 years have washed precious minerals and nutrients into this pristine lake.

Athletes want and need to be at the top of their game all the time. AFA may help to:

- Increase endurance and strength in athletic performance
- Combat lowered resistance due to over-training by strengthening the immune system
- Improve performance times in sports that require any combination of strength, endurance or flexibility
- Increase the ability of seasoned and senior athletes to make a “comeback”
- Reduce fatigue, soreness and recovery time after performance
- Shorten recovery time after injury
- Increase mental focus during athletic performance
- Lower resting heart rate

## **Immune Support**

It is also believed to significantly enhance immune system activity and shorten recuperation time after athletic training and competing because it is believed to have both cleansing and rebuilding properties. It is also thought to speed the uptake of essential nutrients as well as remove waste metabolites generated by athletic activity.

## **Multivitamin, Trace Mineral Support**

It is an excellent source of energy-producing B vitamins including appreciable amounts of vitamins B1, B2, B3, B5, B6, B9 and B12. The B vitamin suite fights stress by helping to more efficiently convert polysaccharides and other carbohydrates into glucose for immediately available energy, endurance, and stamina. It also is an important source of vitamin C, contains omega-3 fatty acids including the long-chain omega-3 fatty acid known as docosahexonoic acid (DHA), and contains the phospholipid choline. This makes AFA a brain and nervous system-supporting food.

## **Athletes and Recovery**

It contains an extraordinary concentration of the blue-pigment phycocyanin which helps preload the immune system by stimulating the production of more stem cells from the bone marrow. Stem cells are the basic form of all cells and can be transformed into any cell (including T-cells, NK cells, macrophages and other immune system cell artillery).

It is considered a whole and complete food – a super food – and not a supplement. It is the most nutrient dense food on the planet, containing glyco-proteins, vitamins, minerals, simple carbohydrates, lipids, and biologically active enzymes. Due to its nutritious soft cell wall it is readily absorbed so the body uses *only a small amount of bodily energy to convert this super food into fuel.*

## **Cordyceps Sinesis**

ATP and Oxygen Carry Capacities...

**Cordyceps** is of a similar chemistry as mushrooms. However, it is believed to have a unique and precious type of chemistry, especially for athletes. As described above, cordyceps increases our ATP levels, our bodies' "fuel." Where does ATP come from and how does cordyceps increase it? Every cell in

our body has these amazing little cellular structures called mitochondria. The mitochondria convert the nutrients from the food we consume into adenosine triphosphate, or as we commonly refer to it, ATP.

As long as we produce more ATP than our body uses, we have an energy surplus and our body feels great. On the other hand, if those tiny mitochondria cannot keep up with the body's demand for energy – we have an energy deficit – and this can lead to problems. This is where the fungi's benefits come in. Cordyceps provides strong support to mitochondrial health, as well as maintaining higher numbers of well-functioning mitochondria. More healthy mitochondria means more ATP, and more ATP is more fuel for us.

Having additional ATP for the body to use gives athletes an advantage in terms of performance during in competition and training, and also it gives competitive athletes the ability to recover. Since ATP is made on demand, the stores kept by our body are not very large. The implication of this is that we can run out of ATP quickly. In order to function at a high level, we need to continuously produce ATP to keep up with our energy expense. Cordyceps allows us to potentially maximize our energy capabilities.

On top of the ATP increases, cordyceps sinensis contains a plethora of other exceptional nutrients such as proteins, nucleic acid, a variety of vitamins and minerals, as well as polysaccharides and beta-glucans, which have both been shown to be useful in improving immunity.

## **Echinacea**

### **Vo2 and Epo**

Echinacea is an herb known for its ability to boost the immune system. Recent studies show that it may also help considerably in improving factors that increase athletic performance – especially through its ability to increase EPO and V02 Max.

## **In Practice**

Pairing Echinacea with sources of heme iron and other blood-building ingredients available from ingredients such as Liver Anhydrate (a supplement in BioTropic), the EPO-boosting Echinacea can assist in providing a serious edge for the elite athlete – namely in endurance and energy output, coming from a boost in red blood cell counts and a healthier immune system.

Sources: [See Studies link.](#)

## **Argentinean Grass-Fed (Vegan Fed) Liver Anhydrate**

The Importance of Heme Iron...

### **Heme Iron**

Heme iron is absolutely essential for athletes and can be even more beneficial to female athletes due to their higher requirements. Iron is an essential part of haemoglobin in blood and myoglobin in muscles, and copper is an essential part of the enzymes that produce them. Both haemoglobin and myoglobin are highly important for physical performance as they deliver oxygen to cells. Maximizing this oxygen delivery by supplementing with a heme iron source is crucial in optimizing athletic performance, and can substantially increase endurance.

In addition to this, the human body uses red blood cells and haemoglobins as a source of protein for muscle repair – even more so when protein intake is inadequate around the time of exercise. Keeping an elevated intake of heme iron can help in keeping red blood cell and haemoglobin levels high, allowing the body to keep oxygen delivery high as well as maximizing recovery capacity.

### **Not All Vitamin B12 Is Equal – This Is The Best**

Vitamin B12 is another super-beneficial vitamin for athletes. Also known as Cobalamin, it is an amazing source of Cobalt for

our bodies. It is vital for growth and repair and plays a very important role in cell division. You have probably heard of athletes injecting vitamin B12 for a boost in energy and performance; although orally-taken B12 is not as potent as direct injection into the bloodstream, consuming sufficient amounts of it can be highly beneficial to red blood cell production – increasing endurance and recovery time.

## **Beetroot**

### **Blood and Muscle Support...**

Beetroot for athletes may just be one of the most beneficial in aids for high level performance. It has amazing health-boosting properties high in iron, potassium, vitamin C, and folate. The most important benefit that beetroot may provide for athletes, however, is its super-high nitrate content.

It is absolutely packed with nitrates which our bodies convert to nitric oxide. Nitric oxide acts as a signalling molecule for multiple processes in the body and can have a number of effects on body including the dilation of blood vessels, regulation of muscle contraction and glucose uptake, and the regulation of cellular respiration.

These effects increase blood flow capacity and also lower the amount of oxygen required by our hard working muscles during exercise. Oxygen is used more efficiently throughout the body, allowing athletes to exercise at a greater intensity – all for the same level of effort.

Another study showed that those who drank beetroot juice prior to exercise were able to exercise for up to 16% longer.

Other benefits from beetroot include its anti-cancer properties from its betaine content, digestive aid from its fibre content, and mind-relaxing effects from a compound called tryptophan, which is also found in chocolate. [/mk\_page\_section][mk\_page\_section



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