

"We've Got Life!"™

Vitality Lifelines

"An Educational Publication Exclusively for Friends and Members of the Vitality Family"

April 2001

A Simple Way to Insure a Long and Healthy Life...

You have the power to overcome almost any health problem.

The effectiveness of your immune system determines the quality of your health. In fact, many scientists now state that you are only as young as your immune system and the real cause of death is failure of it.

A well functioning and properly activated immune system is the key to living the long, healthy and active life-style that you want.

Your immune system is a very complex marvel of power and efficiency, and if working properly it can

"A well functioning and properly activated immune system is the simple key to living a long, healthy and active lifestyle."

overcome almost any health problems and keep you living youthfully for a great many years.

Your Cells are Designed to Live 120 Years

So why is it that the average person only lives less than 80 years?

Why is it that some people live to 80 years or more and still remain healthy, alert and active, while others who may only be 60, end up looking and feeling more like 95?

Science now knows that one of the major reasons why so many people live far below their potential for youth, good health, and a long life is that there is a large number of things which compromise their immune systems. A compromised immune system is one that does not use all of its powerful weapons to keep you in great health.

Instead, a compromised immune system is slow to respond and in many cases does not recognize harmful pathogens and dangerous invaders for what they really are. It allows them to continue and to multiply. Now you have very serious diseases from chronic colds and flus to fast spreading cancers and tumors.

When this happens you become old way before your time and die long before your full allotment of years.

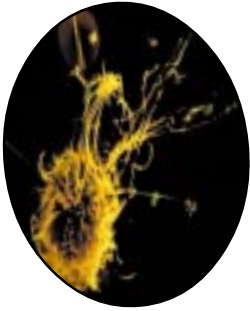
Everyone wants to live a long, happy and active life. Nobody wants to age prematurely, or become a burden for someone else to take care of them. *What good is all your success and achievement in life- if you can't enjoy it and live life on your terms?*



You Have To Be Able To Activate It - If It Is Going To Work!

Think of your immune system as an army. A very well equipped and powerful army of soldiers, tanks, aircraft and even missiles.

All of this immune system army is useless if someone doesn't tell the missiles where to aim, or the tanks where to attack, or the aircraft where to fly. Your immune system army is useless if it is never activated properly. This is where your macrophages (*a specific type of white blood cell*) come in to play.



The Macrophage- Where It All Starts

The name "Macrophage" is literally translated to mean- "Big Eater." Your macrophages are constantly watching for signs of harmful invaders and once they recognize them, most of the time they attack and ingest the invading

organism before it gets a chance to really set up shop and *take over your body*. These harmful invaders by the way are very capable of multiplying by 10,000 in less than 1 minute!

Macrophages are everywhere. (*see illustration 1*) **This is no accident.** So important are they, that you will find them by the millions throughout your body. They fight the daily battle and are replaced by new healthy macrophages every day. Sometimes by the millions in less than 1 hour!

Enemy Spotted- Now What?

If your macrophage identifies a few foreign invaders or spots some debris left over from a previous battle, more than likely it will attack and ingest the invader without seeking additional help from the rest of your immune system army.

If, on the other hand, your macrophage detects an invader that is already too numerous for the macrophage to handle, *your macrophage will send out a call for more macrophages to help out.*

Sort of like calling the Cavalry to the battle scene, your macrophage will release immune chemicals known as "*chemotaxic agents*" which immediately call more macrophages to the site of the trouble. Now you have an army of macrophages ready to go to battle immediately. And go to battle they do. In fact each macrophage is capable of destroying up to 100 enemies before it is used up. Ordinary white blood cells are only capable of destroying maybe 8 to 10 enemies before they are used up and dead from exhaustion.

Macrophages Have Got To Be Responsible

It is the responsibility of your macrophages to not only recognize a harmful pathogen for what it really is, but to also call in the appropriate immune system weapons at your disposal to eliminate it quickly and efficiently.

Sending your immune system missiles on a full scale attack for some left over debris is an over kill *and could easily kill you*. If you or someone you know has a severe allergic response to bee stings or shellfish or any other type of food allergies, you know how powerful your immune system can be. In a matter of minutes if you can't calm down an overactive immune system, *you could be dead*.

Sending the missiles in to attack a large cancerous growth however, can destroy the cancer cells and put you back into good health in a hurry. Many people call this process "*spontaneous remission*" but in reality the cancer didn't just disappear, your immune system attacked, destroyed and then got rid of the cancerous cells quickly.

Calling in the appropriate weapons to deal with pathogens or debris is of critical importance. This is the job of your macrophages. Activated macrophages that is.

How a Macrophage is Activated

An activated macrophage is very impressive. It is extremely difficult for the bad guys to escape detection and proper identification by a fully activated macrophage.

Activate Your Immune System and Put a Quick End to These Deadly and Debilitating Diseases!

- Cancer
- Chronic Fatigue
- Bronchitis
- Pneumonia
- Hepatitis
- Rhino Virus (*common cold*)
- Influenza
- Meningitis
- Yeast Infections
- Poor Memory and Mental Functions
- Viral Infections
- Bacterial Infections
- Fungus

Illustration #1

Macrophages are Everywhere!

<u>Location</u>	<u>Names</u>
In your Liver	“Kupfer Cells”
In your Blood Stream	“White Blood Cells”
In Your Skin	“Langerhans Cells”
Under Your Eye Lids	“Mucous Associated Lymphoreticular Tissue”
In Your Throat	“ “ “ “
Inside Your Nose	“ “ “ “
Inside Your Mouth	“ “ “ “
Inside Your Lungs and Bronchial Tubes	“ “ “ “

Once identified correctly, you can bet that your macrophage will call in the weapons needed to destroy the invading organism. Whatever it takes.

Every macrophage actually has 9 different receptor sites that can be activated much like a switch. Think of these receptor sites as a lock and key arrangement. When the protein structure of a harmful pathogen matches any one or all of the receptor sites on the macrophage, that particular receptor site is activated on your macrophage. Now starts the detection process which activates your macrophages, and the battle begins.

The more receptor sites that the invader matches, the more alert is the macrophage response. All 9 receptor sites activated on your macrophages places them at the highest stage of alert and readiness. Every type of virus, bacteria, fungus, cancers and even tumors are fair game for a fully activated macrophage!

Keeping Your Macrophages Alert and Ready

Beta Immune Activator™ is actually a patented extract derived from yeast cell walls. All the potentially harmful proteins are removed leaving you with a highly purified and micronized form of Beta Glucan.

Your macrophages are very good at recognizing yeast. When they come across purified Beta Glucan particles, they immediately go into a full 9 site alert believing that they are detecting some kind of a yeast infection.

The Beta Glucan activates them fully, yet it is not a yeast particle. What you end up with is a fully activated macrophage looking for a deadly serious yeast invader that isn't there.

During this search none of the really bad guys, from cancer cells and toxic debris to bacteria and viruses, are

safe from the detection and the full attention of your fully activated macrophages. A fully activated macrophage sees all, and calls in the appropriate immune system response to handle all the true invaders it now discovers.

If on the other hand your activated macrophages do not find any harmful pathogens or invaders, nothing happens. Scientific research has also demonstrated that macrophages fully activated by Beta Immune Activator™ will not trigger an auto immune response. In fact, the research has already proven that a macrophage activated by Beta Immune Activator™ is actually better able to recognize foreign particles for what they truly are and prevent your immune system from over responding.

Think of a fully activated macrophage- as a fully alert macrophage ready to go to work if needed. This is exactly what you need to enjoy the benefits of a fully activated immune system.

Macrophages- They Got You Covered!

Macrophages are everywhere. Once again this is no accident. From the top of your head to the bottom of your feet, macrophages are everywhere. This giant network of millions of macrophages is fully armed with the capability of destroying any outside threat to your good health.

Fully activated, they are a very impressive defense against all the dangerous pathogens, bacteria, viruses, fungus and any other foreign substance that wants to live inside of you.

Science Discovers Even More Healthy Benefits!

By now you probably have a very good understanding of how important activated macrophages are to you. Without them, you would die in a matter of seconds as your own body generates many toxins as a normal process of life.

Recent research is also showing that Beta Immune Activator™ may also be very beneficial for some very serious and common diseases

Diabetes- *Type I diabetes* is the less common form and usually caused by an infection of your pancreatic cells. These cells are responsible for the production of insulin which is the hormone used by your body to

transport sugar from your blood into your cells efficiently. The infection damages the pancreatic cells and leaves the victim without the ability to produce insulin. A fully activated immune system can be extremely beneficial especially if it is early in the process to stop the infection.

Type II diabetes is the much more common form. Frequently called sugar diabetes, it usually develops later in life and is mostly caused by a poor diet.

Interestingly enough, Type II diabetics usually produce plenty of insulin, the real problem is that their cell receptor sites become less and less efficient at taking up the insulin / glucose molecules and burning them for energy.

Eliminating the foods from your diet that are quickly converted to glucose is the best thing you can do to control high blood sugar levels. Avoid sugar and flour products in particular. Many scientists now believe that the reason why those cell receptor sites become less efficient, may be because of debris that builds up on the cells thus blocking the insulin / glucose molecules from entering. The belief is that your activated macrophages may actually eat away at this debris and improve its ability to burn the glucose for energy.

Heart Disease- Heart disease is frequently defined as the plaque build up in your arteries that restricts your blood flow ultimately leading to heart disease and fatal heart attacks. Using Beta Immune Activator™ along with #3053 Heart and Circulation Health Package is an excellent combination to help empower your immune system so it can remove the plaque build up and keep you healthy.



Cancer - Contrary to what most people think, cancer is not a disease that just occurs over night. In fact the process of developing a detectable cancer usually takes 10 years or more.

Scientists now estimate that on the average, you will develop cancerous cells 6 times or more every year. Fortunately for you, your activated macrophages will more than likely detect the cancerous cell(s) early on and completely destroy and ingest them in a hurry.

Your immune system destroys the cancerous cells and you never even realize it is happening. Your fully activated immune system is truly a marvel by what it accomplishes every day of your life.

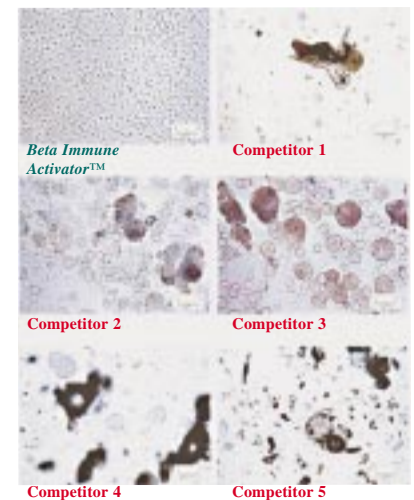
Avoiding those highly carcinogenic chemicals, eating a healthy diet and using Beta Immune Activator™ on a daily maintenance basis can be a great way to keep your immune system in top shape.

Not All Beta Glucan Will Work

There are many different “Beta Glucan” products on the market. Some cheaper and some more expensive, but none better than Patented Beta Immune Activator™.

First of all Beta Immune Activator™ is very highly purified and refined. You get highly purified and highly effective Beta Glucan and nothing else.

Secondly, Beta Immune Activator™ is micronized to a very small and consistent particle size. This is critically important because for any beta glucan to be utilized by your body, it must first pass through very small openings in your small intestine where it can then be transported throughout your body to activate your macrophages into action. Check out the significant and major differences between our patented Beta Immune Activator™ and some of the other popular competitors.



Not All Beta Glucan is the Same

Get Your Beta Immune Activator™ Today and Save \$36.95 on Every Bottle!

Hurry, because this special offer expires April 30, 2001.

SEE PAGE 5 FOR COMPLETE DETAILS

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- Yeast Infections
- Poor Memory and Mental Functions
- Viral Infections
- Bacterial Infections
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- Premature Aging

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Find out how inside

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