

R.E.A.L. Health Solutions!



LIFE SCIENCE PRODUCTS, INC.
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Kelli de Sante'/President

IRON SUPPLMENTS — FRIEND OR FOE?

*Find out how SBO Probiotics Consortia
keep this life-giving ally from
quickly becoming a threat to your health.*

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Did you know that iron deficiencies are regarded as one of the single most prevalent syndromes in human health issues. According to UNESCO's World Health Organization statistics, hundreds of millions of people suffer from iron deficiency around the world. However, what these statistics do not disclose, according to Dr. Peter Rothschild's article on "**The Biology of Lactoferrin**,"— is that less than half of these lack iron due to malnutrition. More than half of these suffer from *iron deficiency because of metabolic problems* that hinder or inhibit the assimilation of iron from the ingested food or because of low bio-accessibility of the ingested iron.**

Iron is one of the most essential elements in the metabolism of many forms of life. It is comprised of unique properties that enable it to, both, initiate and facilitate certain critical chemical reactions within a living organism. For humans, *one of iron's most important functions is assisting us to breath.*

In a healthy normal body, iron is bound by protein carrier molecules, such as ferritin, which prevents undesired negative actions in the body while at the same time allows the useful properties of iron to remain biologically available. When our body does not perform properly, left unchecked, **this friendly ally becomes our enemy and pervasively stimulates infectious agents, such as, unfriendly bacteria, viruses and yeast—that heavily depend on iron for their very existence.**

Living organisms employ a variety of mechanisms to sequester iron and transport it to the proper receptors for life-giving useful purposes. In humans, this mechanism is called **Lactoferrin**. In simple terms, Lactoferrin, such as that found in SBO Probiotics Consortia, retrieves and sequesters iron from the environment and delivers it directly to where it is needed in the body.

To maintain a healthy environment for the proper use of iron in the body, two elements are extremely critical:

1. **Our ability to assimilate iron from the foods we eat, ie. its bio-**

What's Happening?



Q. Lifestyle Question of the Month:

Did you know that cut onions left in the refrigerator become poisonous, overnight? As it turns out, onions are a great source for absorbing bacteria from the air.

In fact, onions seem to be so effective at absorbing bacteria that some people, while having the flu, have tried putting a cut onion on a fork...stuck upside down in a glass of water by the bedside. They have reported feeling much better overnight. And, apparently the onion become black with bacteria.

One customer reported that a chemist from Mullins Food Products (makers of mayonnaise) confirmed that onions that have been cut and left in refrigerators are indeed poisonous and are a great source for food-poisoning.

So, don't save those onions and don't prepare them ahead of time.

As for the flu and virus remedy, we haven't tried this ourselves, but onions are so cheap, it might be worth your money to give it a go.

~ ~ ~

President's Message continued...

accessibility.

2. **The presence of substantial amounts of Lactoferrin in the body to sequester and deliver iron for its proper useful benefits.**

The first becomes an apparent problem according to Dr. Peter Rothschild's article referenced above, where he states: "Iron that is used today to complement foods has a very low bio-accessibility rate. Only a very small portion – about 7% - is absorbed by the gastrointestinal tract and an even lesser percentage is actually assimilated by the organs that require it. In a useless effort to compensate for this shortcoming, persistently excessive amounts of iron are added to food in general. *The iron that remains unassimilated supports infectious bacterial and viral growth in the entire organism.*" **

This friendly ally becomes our enemy and pervasively stimulates infectious agents, such as, unfriendly bacteria, viruses and yeast—that heavily depend on iron for their very existence.

Therefore, critical element number one is greatly dependent on our element number two, substantial amounts of Lactoferrin in the body, for the proper use of iron in the body. Rothschild states that: "**Iron carried by Lactoferrin is extremely bio-accessible – greater than 95% - yet it will not deliver it to noxious microorganisms.** Lactoferrin is identified by specific receptors and delivers iron to the epithelial cells of the small intestine. Iron is released only at the point of recognition and does, therefore, not become available to any other microorganism that may abound in the intestinal tract." **

He goes on to say: "It has been demonstrated in breast fed infants that Lactoferrin is a key factor in both the absorption and assimilation of iron. Studies have revealed, for instance, that the absorption of iron from human milk – which is rich in Lactoferrin – is far more efficient than any of the so-called infant formulas that contain iron. The higher level of iron absorption from human milk yields a much lower incidence of iron deficiency anemia and much fewer intestinal derangements among breast fed infants." **

"Once iron is sequestered by Lactoferrin, it cannot be utilized by bacteria, viruses or yeast, or other parasites whose continuous metabolic need for iron is paramount. Although such microorganisms do compete with Lactoferrin for iron by releasing minute molecular weight compound called *siderophores*, they are unable to capture iron in the presence of Lactoferrin. **This implies that one of Lactoferrin's primary functions is to act as a first line of defense against all pathogens.**" **



Body Biotics™
SBO Probiotics
Consortia/90 Caps
Retail: \$54.00

President's Message continued...

Dr. Rothschild considers Lactoferrin, such as that found in SBO Probiotics Consortia, as a *"first line of defense"* against invading pathogens, or as he puts it — "nature's own endogenous antibiotics found naturally occurring in significant concentrations in human milk, saliva, tears, and other external secretions." **

Unlike your typical inorganic iron enriched foods or iron supplement vitamins, which are generally absorbed at a rate of 5-10%; Lactoferrin rich SBO Probiotics Consortia are far superior bio-accessible forms of organic iron that provide an absorption rate of 95%. More importantly, this form of organic iron remains exclusively available to the cells for proper use in the body and cannot be absorbed by harmful invading pathogens.

In conclusion, there are many aspects of the use of iron in the body and how it supports other metabolic functions. We have only touched on a couple of these vital biological reactions. For more in-depth information you can review Dr. Rothschild complete article at:

www.rothschildonprobiotics.com

A Votre' Santé'

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** PETER R. ROTHSCHILD, M.D., PH. D.,
State Academy of Medicine, Tamaulipas, Mexico / 1985

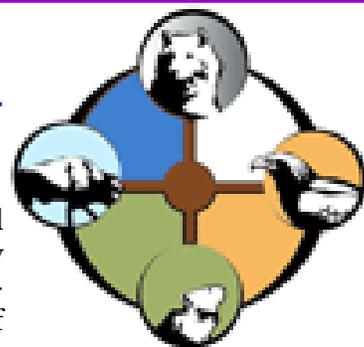
Lactoferrin (LF), also known as **lactotransferrin (LTF)**, is a globular multifunctional protein with antimicrobial activity and is part of the innate defense. The combination of iron and lactoferrin in mucosal secretions modulates the ability and aggregation of pathogenic bacteria, and inhibits both bacteria and viruses from binding to host cells. It is also an antifungal agent.

What is a Probiotics Consortia?

A Probiotics Consortia is a natural blend of multiple strains of friendly bacteria living in a symbiotic relationship with one another as part of stable groups of bacteria, is known as a "consortia."

Consortia are groups of microorganisms, in which, each organism benefits from the metabolic activities of others. Naturally occurring consortia are known to be more stable and retain their functional integrity better than single strains of organisms that have been extracted and encapsulated together without the benefit of long term co-habitation. During their co-habitation period, naturally occurring consortia produce their own matrix until they reach an ideal balance. During this gestation period, some organisms die off and others multiply within the culture. This process helps to assure the functionality of the group.

Current research indicates that persons who consume probiotics daily would receive the highest benefit if they were consuming products formulated from naturally occurring probiotics consortia. The bacteria within these consortia are highly evolved "team players" and have learned to function together to produce certain desirable health benefits, interacting with the immune system, working to fight off unfriendly bacteria, viruses, fungi, parasites and other invading pathogens, while re-establishing a healthy intestinal flora.



Life Science Product's nutritionals are pure and natural and have been certified for use as *Native American Ceremonial Healing Sacraments*. For more information go to:

www.nemenhah.org

NOTE:

**Body Biotics™
Veggie Capsules,
Adult Chewables,
and Children's
Chewables are all
superior forms of
a Probiotics
Consortia.**

**CONGRATULATIONS
to this months News-
letter Subscriber!**

And the winner is:

Sherry Jones

To participate in our
monthly drawing for free
product, simple log onto:

www.bodybiotics.com

And register for our online
monthly newsletter sub-
scription

According to UNESCO's World Health Organization statistics, hundreds of millions of people suffer from iron deficiency around the world.

Customer Appreciation

Coupon

3 for 2

Buy 2 and Get 1

FREE

pH PERFECT™

Plus one 15 day test kit.

Offer not available on website.

Expiration Date: 06/10/10

I started using Body Biotics before I was even born. My mother had started taking Body Biotics before she was pregnant and continued all the way through her pregnancy. I was a very healthy baby, born a week early and weighing at 8lbs 10 oz. In fact, the doctor that delivered me in Littleton CO gave me the highest newborn apear score received for a high altitude baby. My mother continued to give Body Biotics in my milk, baby food, and as I got older in my yogurt and applesauce. I had the "real " stuff , before Life Science Products came out with the children's chewables. I am now 13 years old, and being in daycare as a young child and public schools, I can honestly say I haven't had any flu, colds or illnesses to speak of. Thanks Mom for thinking of my health.



*Devlin W
Austin, TX*

WE NEED YOUR TESTIMONIAL! If you are interested sharing your personal testimonial in one of our future newsletters or on our website, please call us at: 800-713-3888 or email it to: info@bodybiotics.com along with a headshot photo. Remember to put the word "testimonial" in the subject box. Thank you!

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To Order Call: 713-466-9001 or 800-713-3888

Or Fax To: 713-466-9018



www.bodybiotics.com

The R.E.A.L. Health Solution: R=Restore E=Eliminate A=Assimilate L=Longevity

