VBF Defense

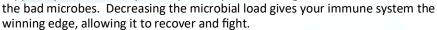
VBF Defense is a unique formula designed to support your body's natural cleansing of viral, bacterial, and fungal organisms. The formula utilizes an exclusive 3-Pronged approach for maximum effectiveness. In addition, VBF is updated each year with the support frequencies of the latest viral strains and laser infused Bio-Information.

There are numerous "one note" products lining the shelves of natural food stores that claim to stimulate the immune system. However, only VBF Defense plays the whole symphony. Utilizing an exclusive 3-Pronged approach it does not just stimulate the immune system **VBF Defense** uses:

- Natural antimicrobials to neutralize virus, bacteria, and fungi;
- Micro-Immunotherapy to activate immune genes which strengthens the immune system;
- Pleomorphic somatoids to down regulate virulent pathogens to non-virulent microbes.



An antimicrobial is a substance that kills or inhibits the growth of microorganisms virus, bacteria, or fungi. The use of a natural antimicrobial during an acute infection supports your immune system by directly immobilizing





The **VBF Defense** formulation is developed along the same lines as Micro-Immunotherapy. This gene frequency targeting technology uses ULD - Ultra Low Doses of gene sequences to turn the immune system back on, restoring the defense system of the body to give back all its fighting potential.

PRONG 3 - PLEOMORPHIC THERAPY

Dr. Enderlein discovered that if a lower stage good form of the pathogen he calls Somatids were given in a micro dose remedy, it would degrade the bad pathogenic forms into the inactive primitive stages. These can then be eliminated through the urinary paths, intestine, skin, and bronchi.

SUGGESTED USE:

Acute: Each bottle contains one round which should be completed over a 10 day period or as directed by your practitioner. Can be repeated as needed. For severe cases increase dosage to 30-40 drops 3 times a day until symptoms subside then return to normal dose.

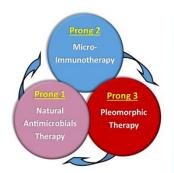
Chronic: Can be taken for 30 days (3 bottles) or longer if needed. Take a 3-4 day break every 30 days before repeating another 30 day round. Dosage can be increased if needed.

Viral/Bacterial Immune Preparedness: Throughout the standard cold/flu season - take 1 dose (21 drops in water) of VBF 5 days a week. This can be added to your daily drinking water bottle.

Maintenance: To support the body in reducing the viral, bacterial, fungal load, we suggest as part of a maintenance program, take a full 10 day regime once a quarter for optimal immune support. Take VBF as suggested above or as directed by your practitioner.

For Additional Support: Use Immune SRF, Lung SRF, LNG Medix (Lungs), Deep Core Energy, THYM Medix (Thymus), IMN Medix (Immune System), CBD, Muc Resolve 1 &/or 2 (if needed) to support a healthy immune response.

For Added Support: Make a nasal spray by taking a 1-1/2 oz bottle of Saline solution nose spray (Ocean, Simple Saline, etc.), and add 60 - 90 drops of VBF and shake well. Before you go out, and while out and about or while flying, you can spray in the nose for added protection as needed.





Support For:*

- Acute or Chronic Viral,
 Bacterial and Fungal
 Infections
- Intestinal Bacterial and/ or Fungal Overgrowth
- √ Flu, Virus
- √ Cold
- √ Fever Blisters
- √ Lyme
- √ West Nile
- √ Shingles
- √ Toxic Protein Detox







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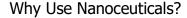
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These products or statements are not intended to diagnose, treat, cure or prevent any disease. The information contained herein is for educational purposes and is not intended or implied to be a substitute for professional medical advice, diagnosis or treatment. Please be sure to consult your physician before taking this or any other product, for any health problems and before starting a new program.

Nanoceuticals

Cutting Edge Supplements for Super Health



The dual nature of our body can make health and wellness elusive. Two requirements must be met to be healthy. Both biochemical and biophoton support. (food & instructions)

Biochemically we require nano-sized physical nutrients. Our cells use these nutrients for all biochemical processes and as tiny building blocks. Every biochemical reaction is preceded by an electromagnetic signal, or biophoton. Cells communicate and deliver information between each other via biophotons. They orchestrate trillions of chemical reactions that take place every second. Without these biophotons the body would be an inanimate object.

Just as a contractor needs both building materials and a blue print to construct a house, your body needs nutrients and proper instructions to be healthy. BioLight Nanoceuticals contain both the needed nutrients in a special nano-sized cell ready form, and coherent information packed biophotons with instructions to help regulate proper cellular activities.

BioLight Nanoceuticals are used by those who want health and wellness. Anything else is less than half a solution. Support all of you, your whole self with the only biophoton infused nano-nutrients available.





Cell Ready Nano-Nutrients

- √ 100% Bio Absorption
- √ 100% Bio Available
- √ Cellular absorption within minutes

Biophotons

- √ Cellular communication
- √ Healthy bioenergetic blueprint
- Promotes Proper DNA regulation



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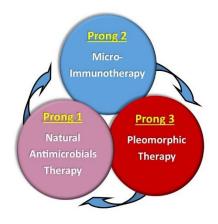
VBF Defense

Optimal Immune Protection

VBF Defense is a unique formula designed to support your body's natural cleansing of viral, bacterial, and fungal organisms. The formula utilizes an exclusive **3-Pronged** approach for maximum effectiveness.

VBF Defense works with You, Your Genes and the Microbes themselves.

There are numerous "one note" products lining the shelves of natural food stores that claim to stimulate the immune system. Only **VBF Defense** however, plays the whole symphony. Utilizing an exclusive **3-Pronged** approach it does not just stimulate the immune system.



VBF Defense uses natural antimicrobials to neutralize virus, bacteria, and fungi, micro-Immunotherapy to activate immune genes which strengthens the immune system, and pleomorphic somatids to down regulate virulent pathogens to non-virulent microbes. In addition, **VBF is updated each year with the support frequencies of the latest viral strains.**

SUGGESTED USE:

Acute: Each bottle contains one round which should be completed over a 10 day period or as directed by your practitioner. Can be repeated as needed. For severe cases increase dosage to 30-40 drops 3 times a day until symptoms subside then return to normal dose.

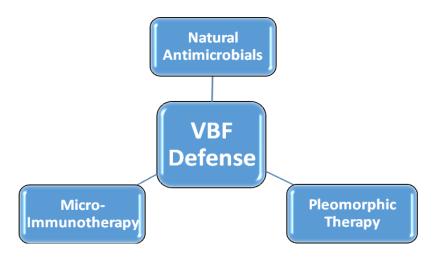
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Prong-1: Natural Antimicrobials for Immune System Support

An antimicrobial is a substance that kills or inhibits the growth of microorganisms virus, bacteria, or fungi. The use of a natural antimicrobial during an acute infection supports your immune system by directly immobilizing the bad microbes. Decreasing the microbial load gives your immune system the winning edge, allowing it to recover and fight.

Antimicrobials Ingredients:

- **Beta Acids from Hops**: Hops have a long history of use as a natural preservative in beer. A little known benefit, however, hops also contain high concentrations of unique "beta" acids that can inhibit the growth of Gram-positive bacteria at surprisingly low concentrations.
- Chitosan: Chitosan is a versatile material with proven antimicrobial activity. Three antibacterial, antifungal mechanisms have been proven: i) the ionic surface interaction resulting in cell wall leakage; ii) the inhibition of the mRNA and protein synthesis via the penetration of chitosan into the nuclei of the microorganisms; and iii) the formation of an external barrier, chelating metals and provoking the suppression of essential nutrients to microbial growth. It is likely that all events occur simultaneously but at different intensities.
- Cardamom: Cardamom, often referred to as the queen of spices because of its very pleasant aroma
 and taste, has a history as old as the human race. The oil extracted from cardamom seeds is a
 combination of terpene, esters, flavonoids and other compounds. Cineole, the major active
 component of cardamom oil, is a potent antiseptic that is known to kill bacteria producing bad breath
 and many other infections.
- Frankincense: Frankincense and myrrh essential oils have been used in combination since 1500 bc. Studies validate the enhanced efficacy when used in combination against pathogens. The actions of frankincense include anti-inflammatory, anti-tumoral, immune-stimulant, anti-depressant and muscle relaxing. It stimulates the limbic system as well as the hypothalamus, pineal and pituitary glands. It is a strong antiviral, antioxidant, antifungal, antibacterial, antiseptic and expectorant oil. Frankincense has the ability to relax and revitalize at the same time.

- Myrrh: Frankincense and myrrh are from the same plant family (*Burseraceae*) and grow as small shrub-like trees in dry climates. The resin of both plants has been used medicinally and in spiritual practices for over 5,000 years, and with good reason. Such uses would include, antiseptic, antifungal and anti-inflammatory, anti-depressant, anti-microbial and antiviral, astringent, expectorant, stimulant, carminative, stomachic, anti-catarrhal, diaphoretic, vulnerary, anti-spasmodic, immune booster, improves circulation, body tonic.
- EGCG from Green Tea: epigallocatechin-3-gallate (EGCG), the main constituent of green tea, has antiinfective properties. Antiviral activities of EGCG with different modes of action have been
 demonstrated on diverse families of viruses such as *Retroviridae*, *Orthomyxoviridae* and *Flaviviridae*and include important human pathogens like human immunodeficiency virus, influenza A virus and
 the hepatitis C virus. Furthermore, the molecule interferes with the replication cycle of DNA viruses
 like hepatitis B virus, herpes simplex virus and adenovirus. Most of these studies demonstrated
 antiviral properties within physiological concentrations of EGCG *in vitro*. The antibacterial effects of
 EGCG have been intensively analyzed against a number of bacteria including multidrug-resistant
 strains such as methicillin resistant *Staphylococcus aureus* or *Stenotrophomonas maltophilia*.
 Furthermore, the catechin EGCG has antifungal activity against human-pathogenic yeasts
 like *Candida albicans*. Although the mechanistic effects of EGCG are not fully understood, there are
 results indicating that EGCG binds to lipid membranes and affects the folic acid metabolism of
 bacteria and fungi by inhibiting the cytoplasmic enzyme dihydrofolate reductase.
- Magnolia Bark Extract: Inhibits bacteria growth and viral infection. Magnolia bark extract contains chemicals that kill bacteria that cause bad breath (halitosis), and cavities. Exhibited significant therapeutic effects on reducing levels of serum NO, IL-6 and TNF-α, inhibiting pneumonia, decreasing lung viral titers and sensitizing IVA-induced apoptosis through down-regulation of NF-κB and TLR3 protein expression in the lung tissue of IVA-infection.
- Monoatomic Minerals: (Silver, Zinc, Copper, Platinum, Manganese, Gold) Metals have been used in various forms as antimicrobials for thousands of years. Silver being the most well-known for its association with anti-bacterial properties has long been established. The ancient Phoenicians knew enough to keep water, wine and vinegar in silver vessels to ensure freshness. It is only recently, however, that scientists have discovered why silver works. Quite simply, silver interrupts the bacteria cell's ability to form the chemical bonds essential to its survival. These bonds produce the cell's physical structure so when bacteria meets silver it literally falls apart. And, unlike synthetic antibiotics, it is not toxic to humans.

Damask Rose Flower Tincture (Rosa damascene)

The smell of a rose is one of those experiences that can ignite fond memories of young love and backyard gardens. But did you know that roses are more than a pretty smell? These beautiful flowers also hold incredible health boosting benefits! Rose flowers have been used to treat health conditions and used in natural beauty treatments for thousands of years. Rose is **antibacterial**, **antiviral**, and contains **antioxidants that balance the immune system**. It is helpful in soothing coughs due to its **relaxing properties**. Nostradamus mixed roses with a few other ingredients to make rose pills that he used to cure the **plague**.

• **Clavo Huasca**: Traditionally used to aid libido, immune health and vitality. It is used in traditional Amazonian medicine as a tonic and energizer.

• Korean Pine Needle Tincture (Red & White-Pinus densiflora)

Pine needle tea has been prized for thousands of years for its many health benefits. Pine needles are said to have five times the Vitamin C content of an orange. Vitamin C is one of the top nutrients needed for a healthy immune system. The best benefits of pine needle include maximizing the immune system, improving vision, preventing respiratory infections, stimulating circulation, avoiding chronic disease, increasing cognitive performance, strengthening heart health, and speed healing.

Pine needles contain **shikimic acid**, the main ingredient in **Tamiflu**. Another point to make here about shikimic acid is that it has been shown to hold **anti-sticky platelet properties** as well... very helpful in protecting against blood clots!

- Colostrum: Colostrum is unmatched as an immune system stimulant and modulator. Colostrum can
 pass immunity to a wide variety of disease-causing pathogens to you—no shots required! Colostrum
 can protect you not only from dangerous bacteria, like Salmonella, Staphylococcus, and
 Streptococcus, but it can also protect you against a number of viruses, from colds and flu to HIV,
 fungi like Candida, and even protozoan parasites like giardia. Not even antibiotics can deliver that
 broad protection.
- **Dendrobium Nobile:** Dendrobium also know in Chinese Medicine as Shi Hu is a type of orchid. In traditional Chinese medicine, dendrobium is said to rebuild spent "adaptive" energy and replace fluids. It's a strong tonic and longevity herb. TCM uses included replenish yin tonic and to replace kidney yin jing. Modern medicine has found it to be Anti-influenza. Studies show antiviral activity against many influenza viruses, including A/FM-1/1/47 (H1N1), A/Puerto Rico/8/34 H274Y (H1N1), and A/Aichi/2/68 (H3N2). **[13]**

Prong-2: Micro-Immunotherapy

In 1997, Prof. Khuda-Bukhsh proposed that homeopathic substances have the capacity to interact with the genetic blueprint and deliver their benefits by increasing the expression of genes that synthesize health promoting proteins. Since then, work by Prof. Khuda-Bukhsh [9] [10] and other scientists [11] [12] have clearly demonstrated that homeopathic substances do have the capacity to do this. The genetic blueprint contains many genes that promote health as well as many genes that cause disease. Drs. Jenaer and Marichal pioneered the use of highly diluted small DNA molecules with well-defined sequences to target immune response genes and fight infections. Their system, called Micro-Immunotherapy proved to be very effective.

The **VBF Defense** formulation is developed along the same lines as Micro-Immunotherapy. This gene frequency targeting technology uses ULD - Ultra Low Doses of gene sequences to turn the immune system back on, restoring the defense system of the body to give back all its fighting potential.

VBF Defense has been designed to target the DEFB1, IL-7, OX40, CARD 9, MBL 2 genes.

• **DEFB1**: All external and internal body surfaces are continuously exposed to infectious agents such as harmful bacteria, fungi and viruses. The DEFB1 gene produces a very important non-adaptive microbicidal protein or peptide that forms the body's first line of defense against infectious agents that the adaptive immune systems cannot reach. This anti-bacterial peptide is produced on the surface of all body tissues including skin and reproductive organs [1] to protect against infections. It is also found in breast milk to provide another layer of protection for infants [2]. Reduced activity of DEFB1 leads to increased susceptibility to many different types of infection.

- IL-7: There are two basic types of adaptive immunity, referred to as B cell mediated and T cell mediated immunity. On exposure to an infectious agent, B cells make soluble antibodies that circulate in the blood and body fluids to help kill bacteria and neutralize viruses and toxins. For B cells to make antibodies most effectively they need help from a type of T cell called a T helper cell. There is another type of T cell called a cytotoxic T cell. Cytotoxic T cells play an important role in limiting the infectivity of viruses by killing the body's cells that have been infected by them. Both T cells and B cells are produced in the bone marrow basically from the same precursor cells. IL-7 is a natural cytokine that has the ability to stimulate the production of new immuno-competent cells, both T cells and B cells in the bone marrow. Thus, IL-7 boosts immunity by making more B cells and T cells so that the body has a greater number of immune-competent cells to fight different types of infectious agents. It may also be of help to boost the production of new immune cells in those that suffer from immune deficiency because of infection by the AIDS virus [3]. It is also helpful for increasing the benefits of immunization.
 - **OX40**: When T cells are recruited to mount an immune response against infectious agents such as viruses, a few days after infection, helper T cells begin to die more quickly. Thus, the immune response is diminished. Also, as part of the immune response a type of T cell called a memory T cell is formed. Memory T cells can fight the infectious agent much more effectively when it is next encountered. OX40, which is expressed in activated T cells a few days after infection, reduces the death rate of T helper cells so that the immune response is longer lasting **[4]**. It also supports proliferation of memory T cells so that immune responsiveness to an infective agent is more rapid when it is next encountered.
 - CARD 9: The protein encoded by CARD 9 gene plays an important role in helping neutrophils to engulf and kill fungal and other infectious agents and their spores. There are many fungal infective agents such as Candida (C. albicans) that cause a wide range of chronic forms of ill-health. One type of white blood cell, the neutrophil, plays a vital role in engulfing and killing of many bacteria as well as fungi such as C. Albicans, the thrush causing fungus. C. albicans exists in a number of different forms. Neutrophils can capture and kill all of these different forms [5]. Recently, scientists have found that a protein encoded by the CARD 9 gene called caspase recruitment domain-containing protein 9, an adaptor molecule in the cytosol of neutrophils, is not only required to help them kill fungal infective agents, but also to help other immuno-competent cells to mount an immune response against fungi and many other infectious agents. They have also shown that reduced levels of the CARD 9 gene product decrease the ability of neutrophils to kill fungi such as C. albicans and other infectious agents [6].
 - MBL 2: The body has several important systems for fighting infectious agents such as viruses, bacteria and fungi. Mannose binding lectin 2 encoded by the gene MBL 2 is one of them. All of the different parts of the immune system need to be working effectively to fight off a wide range of infectious agents. Mannose binding lectin 2 is a protein found in the blood. It is synthesized in the liver. It plays an important role in the innate immune system. It is a carbohydrate binding protein that binds to sugar residues that are found on the surface of bacteria, viruses, and fungi. When it binds to these infective agents in the blood, it activates other parts of the immune system such as the complement system so that infectious agents can be more readily removed and killed by engulfment by phagocytic cells such as neutrophils and macrophages [7]. MBL 2 has been shown to reduce the infectivity of viruses such as Ebola and the AIDS causing virus HIV as well as the influenza virus and the SARS virus [8].

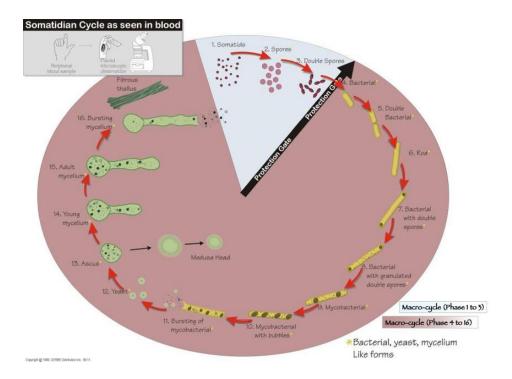
Prong-3: Pleomorphic Therapy

Dr. Gunther Enderlein (1872 - 1968) proved that blood is not sterile and that microorganisms undergo various developmental stages. Pleomorphic theory states that when the internal terrain or environment becomes unhospitable (pH imbalance, emotional stress, toxic, etc.) good microorganisms would mutate through a series of 16 stages becoming bad pathogens.

Dr. Enderlein discovered that if a lower stage good form of the pathogen he calls Somatids were given in a micro dose remedy, it would degrade the bad pathogenic forms into the inactive primitive stages. These can then be eliminated through the urinary paths, intestine, skin, and bronchi.

Pleomorphic Therapy Ingredients:

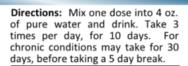
Somatids (plant base) Micro doses of somatids at the earlier stages of the life form help to break down the higher pathological forms rendering them nonpathogenic.



Directions: Mix one dose into 4+ oz of pure water and drink. Best taken away from food. Take 3 times per day, for 10 days. For Chronic conditions may take for 30 days, before taking a 3-4 day break. Adult Dose 21 drops; Teen Dose (13-19 years) 13 drops; Child Dose (3-12 years) 8 drops.

Indications For Use: Acute or chronic viral, bacterial, and fungal issues. Intestinal bacterial and/or fungal overgrowth, flu, cold, fever blister, lyme, west nile, shingles, etc.

Ingredients: Nano Nutrients: Beta Acids From Hops, Chitosan, Cardamon, Frankincense, Myrrh, EGCG From Green Tea, Magnolia Bark, Monoatomic Minerals (Silver, Zinc, Copper, Platinum, Manganese, Gold), Damaski Rose Flower, Clavo Huasca, Korean Pine Needle, Bovine Colostrum (Kosher), Dendrobium nobile. Biophotons: Micro-Immunotherapy, Pleomorphic Somatids. Other Ingredients: Purified Spring Water, Vegetable Glycerin (Kosher), 10% Organic Cane Alcohol. Laser Infused Bio-Information (includes frequency-based information for current virus strains). Non-GMO



Adult Dose......21 Drops Teen Dose (13-19 yrs)......13 Drops Child Dose (3-12 yrs)......08 Drops

Warning: If pregnant, breastfeeding, taking any medications, or have a medical condition please consult your doctor before use.

Keep away from children.

Use only if safety seal is intact.

This product has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

Lot #VBF0061520014
Manufactured for:
BioLight Technologies LLC
www.BioLightTechnologies.com



VBF Defense

OPTIMAL IMMUNE PROTECTION

NANOCEUTICAL Micronized For Maximum Absorption

Dietary Supplement 1 fl oz (30 mL)

Supplement Facts

Serving Size: 21 Drops (1 mL) Servings Per Container: 30

Amount Per Serving %DV

Nano Nutrients

Beta Acids from Hops, Chitosan, Cardamom, Frankincense, Myrrh, EGCG from Green Tea, Magnolia Bark, Monoatomic Minerals (Silver, Zinc, Copper, Platinum, Manganese, Gold) Damask Rose Flower, Clavo Huasca, Korean Pine Needle, Colostrum, Dendrobium nobile, Laser Infused Bio-Information.

Biophotons

Micro-Immunotherapy, Pleomorphic Somatids

Other Ingredients:

Purified Spring Water, Kosher Vegetable Glycerin, Organic Alcohol.

† Daily Value (DV) not established

REFERENCES

- 1. Jia H P et al., Abundant human beta-defensin-1 expression in milk and mammary gland epithelium. J. Pediat. 2001:138; 109.
- 2. Valore E V et al., Human beta-defensin-1: an antimicrobial peptide of urogenital tissues. J. Clin. Invest. 1998:101; 1633.
- 3. http://www.cytheris.com/Science/interleukin7.php
- 4. http://www.ncbi.nlm.nih.gov/pubmed/11567634
- 5. Urban et al., Neutrophil extracellular traps capture and kill Candida albicans yeast and hyphal forms. Cell Microbiol. 2006, 8, 668.
- 6. Drewniak et al., Invasive fungal infection and impaired neutrophil killing in human CARD9 deficiency. Blood. 2013, 121, 2385. doi: 10.1182/blood-2012-08-450551.
- 7. Van Asbeck et al., Mannose binding lectin plays a crucial role in innate immunity against yeast by enhanced complement activation and enhanced uptake of polymorphonuclear cells. BMC Microbiology 2008, 8,229 doi:10.1186/1471-2180-8-229.
- 8. Michelow et al., High-dose mannose-binding lectin therapy for ebola virus infection. J Infect Dis. 2011, 203,175 doi: 10.1093/infdis/jiq025.

- 9. 1Khuda-Bukhsh AR: Potentized homeopathic drugs act through regulation of gene expression: a hypothesis to explain their mechanism and pathways of action in vivo. Com Ther Med. 1997: 5; 43.
- 10. 2Saha S K et al., Phenotypic evidence of ultra-highly diluted homeopathic remedies acting at gene expression level: a novel probe on experimental phage infectivity in bacteria. Zhong Xi Yi Jie He Xue Bao. 2012:10; 462.
- 11. 3Sunila et al., Dynamized preparations in cell culture. Evidence-Based Comp. Alt. Med., 2009:6:257.
- 12. 4Frenkel et al., Cytotoxic effects of ultra-diluted remedies on breast cancer cells. Int J Oncol., 2010: 36:395, 2010.
- 13. Anti-influenza A Virus Activity of Dendrobine and Its Mechanism of Action