



Scientific Bio-Logics, Inc.[®]
Your integrative health care product source

Functional Red & Green Food Blends



USDA Certified Organic
Vegetable and Fruit Powder



Regulate Joint Inflammation + Start Regeneration



Super*Flex™ Advanced

Super*Flex™ Advanced provides Glucosamine Hydrochloride and Chondroitin Sulfate in combination with herbal extracts, such as Boswellia, Bromelain, and Curcumin C3 Complex®, that help regulate the inflammatory process in the joint area and assist with extracellular matrix reconstruction.



Resveratrol

Scientific Bio-Logics® Resveratrol is a synergistic combination of two of the most powerful antioxidants, Resveratrol and Quercetin, along with the absorption enhancing compound called Piperine. Studies have shown that Piperine improves the bioavailability and effectiveness of Resveratrol in the body.

Synergistic Effects of Curcumin + Resveratrol on Joint Health

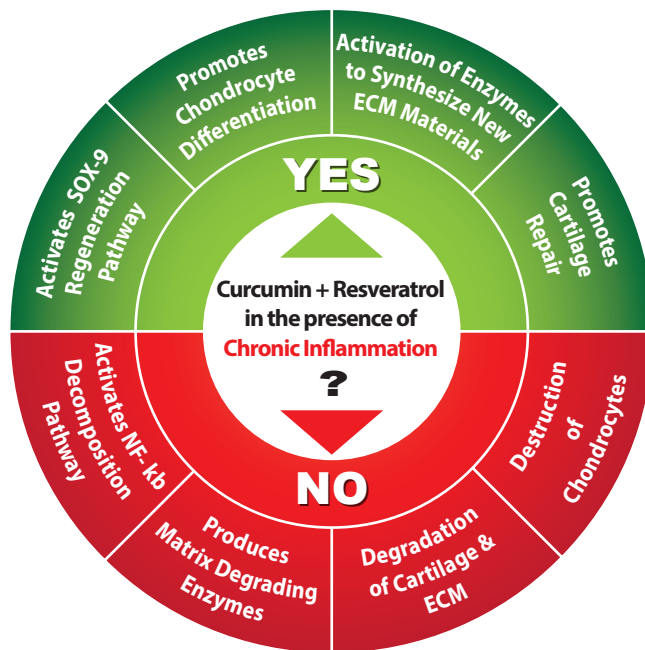
Certain inflammatory cytokines can activate transcription of genes that are involved in the degradation of the extracellular matrix (ECM). Curcumin, found in Super*Flex™ and Resveratrol have the ability to regulate the expression of these particular inflammatory cytokines and allow for the activation of enzymes that synthesize new ECM compounds. Glucosamine and Chondroitin provide the building blocks for new proteoglycans within the ECM.



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Your Integrative Health Care Product Source

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These statements have not been evaluated by the FDA. This product is not intended to diagnose, treat, cure, or prevent any disease





Scientific Bio-Logics® Proprietary Specialty Formulas

Scientific Bio-Logics® has built numerous lasting relationships with physicians both domestically and internationally, enabling their patients to experience these remarkable integrative medicines. Through years of clinical support, we provide the highest quality and most effective oral and topical nutraceutical and homeopathic formulas available on the market today.

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USDA Certified Organic Formulas:

20. **Organic Green Goods™** - U.S.D.A. certified organic green vegetable and fruit powder
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24. **Organic Fiber Goods™** - U.S.D.A. certified organic fiber blend
26. **Organic Protein Goods™** - U.S.D.A. certified organic protein blend

Herbal/Botanical Formulas:

14. **ChelationPA™** - Heavy metal detoxification and cellular rejuvenation formula
16. **DailyGest®** - Broad spectrum enzyme formula for support in digestion
18. **Hepata*Trope®** - Provides optimal liver support, protection and detoxification
28. **Pantol™** - Supports structural integrity and elasticity of hair, skin and nails
30. **Prota*Vita™** - Prostate support and urinary tract restoration formula
32. **Resveratrol** - Extra strength antioxidant formula with Quercetin
34. **Super*Flex™** - Arthritis support and bone tissue repair formula

High Potency Combination Homeopathic Multiplex Formulas:

36. **Pain & Inflammation** - Decreases pain, soreness and swelling
- Scar Formula** - Provides restorative powers to the skin and absorbs scar tissue
38. **Tension & Stress Relief** - Diminishes cerebral and vascular tension
- Trauma & Bruise Relief** - Promotes healing and minimizes pain and bruising
- Upset Stomach & Nausea Relief** - Encourages peristalsis and calms the nerves



7-Keto DHEA

**Topical Cream with
Liposomes, L-Arginine, and L-Citrulline**

SKU: SBL124

UPC: 736211568243

Contents: 50ml

7-Keto DHEA cream with L-Arginine and L-Citrulline provides powerful support for the body's metabolic rate while also improving blood circulation for enhanced physical performance.

Indications: Adrenal support and hormone balancing, metabolic support and thermogenesis and nitric oxide production

Suggested Use: Best absorbed through thin skinned areas of the body that are well supplied with capillary blood flow such as neck, upper chest, inner forearm, and inner thigh. Apply once or twice a day or as directed by your healthcare professional.

Ingredients: Deionized Water, Caprylic/Capric Triglyceride, Cetearyl Alcohol, L-Arginine, L-Citrulline, Shea Butter, Stearic Acid, 7 Keto DHEA, Citric Acid, Cetyl Alcohol, Glycerol Stearate Citrate, Lecithin, Alcohol, Glycerin, Polyacrylate 13, Polyisobutene, Polysorbate 20, Sodium Hydroxymethylglycinate, Potassium Sorbate, Xanthan Gum

For external use only.

7-Keto DHEA

7-Keto is a brand name for a compound called 7-oxo-dehydroepiandrosterone (7-Keto DHEA), which is a hormone metabolite produced primarily in the adrenal gland as well as small amounts in the skin and brain. The 7-Keto DHEA metabolite helps improve the body's metabolism or the conversion of ingested food into energy. Specifically, it enhances thermogenic enzymes that stimulate fatty acid metabolism in the liver. Thermogenesis refers to the process of metabolising the food we eat into a form of energy called heat. Increased activity of these thermogenic enzymes will improve the body's metabolic rate, enhancing the conversion of stored fat into energy. The synthesis of 7-Keto DHEA begins with Cholesterol, is then converted into different hormone intermediates, and is eventually synthesised to DHEA. Dehydroepiandrosterone

or DHEA is the most abundant steroid hormone in the human body. It is the precursor to not only the 7-Keto DHEA metabolite, but the sex hormones testosterone and estrogen as well. Please refer to the Androgenic Hormone Production Chart below to see the hormone intermediates that are in the biochemical pathway for 7-Keto DHEA synthesis in the body.

DHEA and 7-Keto DHEA synthesis in the body steadily decreases as we age. In fact, by age fifty there is an approximate 50% decline in serum levels of these two hormones in the body. Preventing age related declines in DHEA and its metabolites may have important health benefits including: enhanced immune system functioning, increased energy levels, fat management through enhanced thermogenesis, increased

lean muscle mass and improved cognitive functioning and memory. 7-Keto DHEA is a non-steroidal metabolite of DHEA which means it is not converted to estrogen or testosterone or other steroidal hormones in the body. It does not bind to any androgenic receptors and is not a substrate for estrogen forming aromatase enzymes that convert DHEA and other hormones to estradiol. 7-Keto DHEA supplementation is safe for both men and women and is 2.5 times more effective in inducing fat burning enzymes than DHEA. Studies have shown that topical applications of 7-Keto DHEA allows for greater absorption and increased levels in the bloodstream.

The adrenal gland is a walnut sized organ that sits on top of the kidneys that manufactures and secretes essential hormones throughout the body. One of the main functions of the adrenal gland is to enable the body to properly respond to environmental, physical



Androgenic Hormone Production Chart

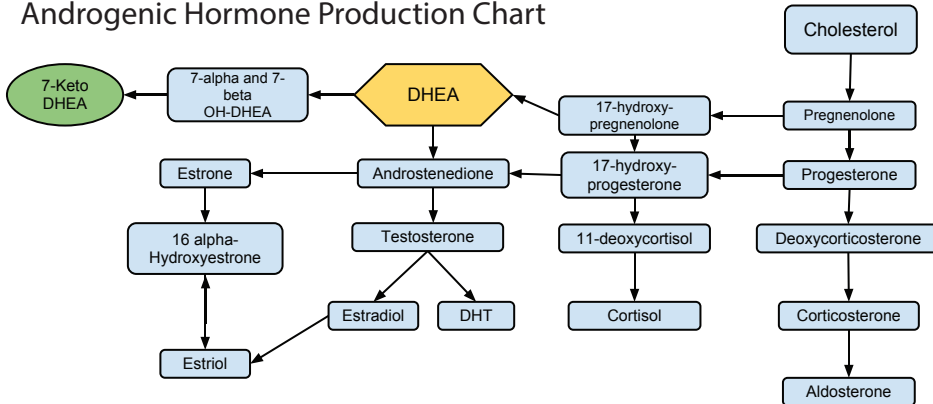


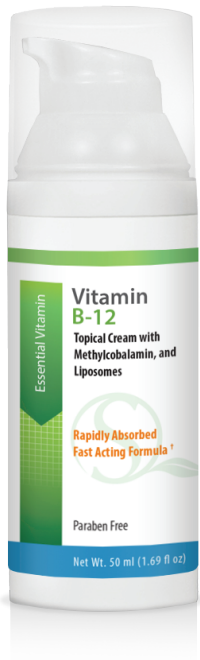
Figure 1: The Androgenic Hormone Production Chart shows the biochemical pathways for the synthesis of adrenal and gonadal hormones in the body. The 7-Keto DHEA metabolite does not get converted into any gonadal hormones including estrogen or testosterone.

and mental stress by secreting hormones such as adrenaline, cortisol and DHEA. The levels of these hormones can fluctuate throughout the day depending on the amount and intensity of the stressors that one encounters. Once a stressful situation has been resolved the body must return to homeostasis and the levels of the stress related adrenal hormones should once again be in proper balance. All of the adrenal hormones play a critical role in the body and must be in proper balance in order for one to maintain optimal health. For instance, cortisol levels should be highest in the morning when the body is waking up because it needs to be able to stimulate the release of stored energy and elevate blood pressure levels in order for people to get up and perform normal activities without feeling fatigued. When individuals do not produce enough cortisol, it may result in low blood pressure, morning fatigue and brain fog. However, when individuals are producing too much cortisol throughout the day, they may experience high blood pressure, imbalances in blood sugar levels and lowered immune system functioning. In a fast paced and high-stress culture, it is important that people have ways to manage levels of stress in their life through a nutritious diet, proper supplementation, lifestyle habits, and regular visits to a healthcare provider to check their existing hormone levels.

As individuals age, their immune system may have a decline in its responsiveness and they may be prone to infections. Imbalances between cortisol and DHEA in the body can dramatically impair immune system functioning. When cortisol is released during stressful situations, the body must counteract the effects by increasing DHEA levels and bringing balance back to these two hormones. Since DHEA and 7-Keto DHEA levels decrease faster with age than cortisol, this creates an imbalance in the body and may cause a decline in cellular immunity. Supplementing with 7-Keto DHEA can improve immune system functioning by counteracting the negative effects that chronic high levels of cortisol have on circulating white blood cells.

L-Arginine and L-Citrulline

L-Arginine and L-Citrulline are two amino acids that are involved in the production of nitric oxide (NO), which helps with the dilation of blood vessels. The release of nitric oxide from vascular endothelial cells results in the relaxation of vascular tissue, inhibition of platelet aggregation and adhesion, regulation of blood pressure and the reduction of oxidative stress on LDLs. Vascular endothelial cells produce NO from the precursor molecule L-Arginine. This reaction is catalyzed by the enzyme nitric oxide synthase, which will produce NO and the amino acid L-Citrulline from the substrate L-Arginine. The body can synthesize L-Citrulline into L-Arginine. By supplying both L-Arginine and L-Citrulline one gets the building block for NO production and the ingredient to replenish and recycle that building block. Improving NO production increases blood flow and oxygen utilization in the muscles, providing heightened endurance levels. Increased blood flow to the muscles during exercise will also facilitate the removal of lactic acid, reducing fatigue and recovery time. It is important to consume antioxidant rich foods like colorful fruits and vegetables to protect the NO from converting to other molecules. L-Arginine is also one of the amino acids that is used in the synthesis of Creatine, a compound released in the muscles to recycle ADP back to ATP in order to increase energy availability during anaerobic exercise.



Vitamin B-12

Topical Cream with Methylcobalamin, and Liposomes

SKU: SBL125

UPC: 736211568144

Contents: 50ml

Scientific Bio-logics[®] Vitamin B-12 Cream provides the metabolically active form of B-12 known as methylcobalamin in an easy to use, rapidly absorbed cream that is great for promoting red cell blood production, oxygen utilization, improved methylation reactions, nerve functioning and energy production from fats.

Suggested Use: Best absorbed through thin-skinned areas of the body that are well supplied with capillary blood flow such as neck, upper chest, inner forearm, and inner thigh. Apply once or twice a day or as directed by your healthcare professional.

Ingredients: Deionized Water, Caprylic/Capric Triglyceride, Polyacrylamide, C 13-14 Isoparaffin, Laureth-7, Lecithin, Alcohol, Glycerin, Simulgel 600, Sodium Hydroxymethylglycinate, Citric Acid, Potassium Sorbate, Methylcobalamin, Lemon Verbena Oil

Indications: Muscle cramps and fatigue, red blood cell production and neurological functioning.

For external use only.

Vitamin B-12 is a cobalt-containing organic molecule that is required by the body for the synthesis of hemoglobin in red blood cells that may help the prevention of anemia. B12 exists in several forms: Cyanocobalamin is the most common form of Vitamin B12 added to foods or present in nutritional supplements. Because the major food sources of B12 are meat, eggs, and dairy products, vegetarians and vegans may require either B-12 fortified cereals or nutritional supplements to avoid health problems related to B-12 deficiency. The most prominent biochemical activity of methylcobalamin involves the enzymatic conversion of homocysteine to methionine through an enzyme-mediated transfer of the methyl group of methylcobalamin. Elevated homocysteine levels can cause a number of health problems

including increased risk of heart attack and stroke, as well as a heightened risk of bone fractures. In concert with folic acid and vitamin B-6, methylcobalamin contributes to the conversion of homocysteine to cysteine, another important amino acid.

Methylcobalamin is the main form of Vitamin B-12 present in the central nervous system, helping to maintain the integrity of the myelin sheath that covers nerve fibers, and it may even help in the repair of nerve damage. Methylcobalamin can help prevent neurological problems related to vitamin B-12 deficiency, notably peripheral neuropathy and loss of coordination. These symptoms may result from nerve fiber demyelination as well as from neuronal cell death. Yet

another role for methylcobalamin is in preventing or treating depression. (Two major epidemiological studies showed a relationship between vitamin B-12 deficiency and depression in elderly individuals. American Journal of Psychiatry 157:715-721, 2000 and 159:2099-2101, 2002).

Supplementation with methylcobalamin may help promote the biosynthesis of methionine, which is incorporated into proteins and is involved in other important biosynthetic reactions. Specific examples of the therapeutic uses of topical vitamin B-12 that may help prevent dermatological conditions such as atopic dermatitis (eczema) are present in the scientific literature. In a well-designed, placebo-controlled, double-blind study, topically-applied Vitamin B-12 cream significantly reduced the extent and severity of this skin disorder, possibly via an anti-inflamma-



tory mechanism (British Journal of Dermatology 150:977-983, 2004). In another clinical trial, a topical Vitamin B-12 cream preparation was found to be useful for reducing the symptoms of psoriasis, a skin disorder related to an abnormal immune response (Dermatology 203:141-147, 2001).

In addition to Vitamin B-12 deficiency, there is a remarkably large number of medications that can promote Vitamin B-12 deficiencies. These include stomach acid-reducing drugs, oral antidiabetic drugs, extended-release potassium supplements, and exposure to the gaseous anesthetic nitrous oxide. It is believed that Vitamin B-12 deficiencies caused by exposure to medications such as these may explain the neurological and psychiatric side effects observed in individuals taking these drugs. Persons taking these medications may benefit from the use of B-12 Methylcobalamin Topical Cream.

Although Vitamin B-12 deficiency is relatively rare in young persons, it is markedly more common in older people. It is estimated that 10-30 percent of the older adult population is deficient in this vitamin. The reasons range from physiological changes, medical conditions, the increased use of specific medications that adversely affect Vitamin B-12 uptake, and decreased stomach acid secretion with age. Thus, elderly individuals may recognize health benefits from the routine use of B-12 Methylcobalamin Topical Cream.

Summary Deficiency Symptoms

- Mental Problems
- Depression
- Apathy
- Paranoia
- Memory loss
- Weakness
- Fatigue
- Diarrhea
- Pallor
- Infertility
- Nervous System Degeneration
- Lower Back Pain
- Reduced Reflexes and Sensory Perception
- Tingling In the Fingers and Toes
- Abnormal Nucleic Acid Synthesis
- Abnormal Carbohydrate Metabolism
- Changes Of Temperature In Different Parts of the Body
- Symptoms Similar to Parkinson's and/or Alzheimer's Disease
- Pernicious Anemia (Megaloblastic Anemia)



Magnesium Citrate

Topical Cream with Liposomes

SKU: SBL123

UPC: 736211567949

Contents: 100ml

Magnesium is a mineral that is present in relatively large amounts in the body and cannot be manufactured by the body, leaving us responsible for providing enough either through diet or supplementation. Researchers estimate that the average person's body contains about 25 grams of magnesium, and about half of that is in the bones. Almost all of us need to be doing better with our magnesium intakes because it is required by more than 300 chemical reactions including proper muscle and nerve function. Even a mild deficiency of magnesium has noticeable health effects.

Indications:

Muscle cramps, muscle stiffness and muscle fatigue.

Suggested Use:

Best absorbed through thin skinned areas of the body that are well supplied with capillary blood flow such as neck, upper chest, inner forearm, inner thigh and abdomen. May be applied several times a day as needed or as directed by your healthcare professional.

Ingredients:

Deionized Water, Caprylic/Capric Triglyceride, Magnesium Citrate, Polyacrylate 13, Polyisobutene, Polysorbate 20, Simulgel 600, Lecithin, Glycerin, Alcohol, Sodium Hydroxymethylglycinate, Potassium Sorbate, Citric Acid

For external use only.

Scientific Bio-logics® Magnesium Citrate Cream is a safe and highly proficient way to improve magnesium imbalances in the body. Topical delivery is a more efficient way to increase serum levels of magnesium over oral supplementation, which may be helpful in supporting healthy muscle and nerve function, preventing muscle cramps, alleviating sleeplessness, and improving cardiovascular health.

Magnesium is an essential mineral that is present in large quantities throughout the human body. In fact magnesium is the fifth most abundant mineral in the body and is involved in over 300 vital metabolic reactions. Researchers estimate that the average person's body contains about 25 grams (25,000 milligrams) of magnesium with approximately 60% of that found in the bones, 27% found in muscles, 6% found in cells and around 1% found outside of cells.

Scientific Bio-logics® Magnesium Citrate cream offers an easy to use and highly effective way to increase one's magnesium levels in the body. Transdermal applications of magnesium allows for increased amounts of this mineral to reach the body directly. This alleviates any difficulties some may have absorbing nutrients through oral supplements due to problems in their gastrointestinal tract. Magnesium Citrate transdermal cream is great for improving magnesium imbalances in the body and alleviating muscle cramps caused from over-exertion, mineral depletion or premenstrual-like symptoms (PMS). Adequate magnesium intake may also be beneficial in reducing migraine-like symptoms. Researchers found that migraine sufferers had lower magnesium serum levels compared to the control group, which comprised of non-migraine afflicted individuals.

Magnesium Health Benefits:

- Maintains normal muscle and nerve function
- Promotes muscle relaxation
- Strengthens bones and teeth
- Promotes proper sleep patterns
- Metabolism of carbohydrates and fats
- ATP synthesis and cellular energy production
- Synthesis of essential molecules like nucleic acids
- Required for active transport of ions, like potassium and calcium, across cell membranes
- Cell signaling
- Promotes regularity of bowels
- Cardiovascular health and normal blood pressure levels
- Important for blood sugar metabolism and insulin sensitivity
- Influences bone matrix and bone mineral metabolism



Magnesium cannot be manufactured by the body therefore adequate levels must be achieved through a well-balanced diet along with proper supplementation as needed. Foods that are high in magnesium include: green vegetables like spinach, swiss chard, okra, broccoli, nuts and seeds, (almonds, sunflower, sesame seeds), whole and sprouted grains, beans, and several variety of fruits like berries, bananas, and many more. The Recommended Dietary Allowance (RDA) of magnesium for males and females at different stages in their life is provided in the chart below. (Note that RDA levels are established by the United States Institute of Medicine and are based on the average daily dietary intake that is sufficient to meet the nutritional needs of approximately 97% of individuals at a given life stage and gender).

Life Stage	Age	Males (mg/day)	Females (mg/day)
Infants	0-6 months	30 AI	30 AI
Infants	7-12 months	75 AI	75 AI
Children	1-3 years	80	80
Children	4-8 years	130	130
Children	9-13 years	240	240
Adolescents	14-18 years	410	360
Adults	19-30 years	400	310
Adults	31 years and older	420	320
Pregnancy	18 years & younger	-	400
Pregnancy	19-30 years	-	350
Pregnancy	31 years and older	-	360

A study conducted in 2003 examined the 1999 -2000 data from the National Health and Nutrition Examination Survey (NHANES) in order to evaluate the amount of magnesium Americans were consuming from their diet. Results from the study showed that most people were consuming 75-100 mg less on average than the recommended daily allowance of magnesium. There was also a significantly greater decrease in magnesium consumption among certain ethnicities and elderly groups. The table below summarizes some of the results from the data collected regarding American's consumption of magnesium versus RDA levels.

Percentage Among Adult Americans	Amount of Magnesium Consumed
68%	Consumed less than the RDA of Magnesium
45%	Consumed ¾ of the RDA of Magnesium
19%	Consumed only ½ of the RDA of Magnesium

The decrease in magnesium consumption in the United States could be attributed to the increase in convenient processed foods, which are highly deficient in magnesium. In fact, magnesium and many other nutrients are actually lost during the refinement process.

Magnesium Deficiencies in the Diet may be Exacerbated by the Following:

- Dry roasting of nuts and seeds removes the oil that contains magnesium
- Milling flour from grains strips away magnesium
- Carbonated beverages and some processed foods that contain phosphates binds to magnesium in the intestines and prevents its absorption
- Refined sugar causes the body to excrete magnesium from the kidneys
- Caffeine also causes the kidney to release extra magnesium in the urine
- Alcohol can lower the availability of magnesium to the cells and cause an increase in excretion from the kidneys
- Excessive use of diuretic products
- Mineral imbalances in the body that inhibit proper magnesium utilization
- Low stomach pH prevents the proper absorption of minerals in the body
- Agriculture grown on magnesium depleted soil
- Physical and emotional stress may deplete magnesium levels in the body

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



Natural Progesterone U.S.P. Grade

Topical Cream with Liposomes

SKU: SBL126 (50ml), SBL135 (100ml)



Natural Progesterone PLUS

Topical Cream with Liposomes
USP Grade Progesterone

SKU: SBL131 (50ml), SBL133 (100ml)



Indications: Symptoms of natural progesterone deficiency in premenopausal and menopausal women: mood swings, insomnia, anxiety, breast tenderness, weight gain, hot flashes, night sweats, vaginal dryness, foggy thinking.

Suggested Use: Use 1 - 2 pumps daily or as directed by your healthcare professional. Apply to inner forearm, behind the knee, or lower back.

Natural Progesterone Ingredients:

Deionized Water, Caprylic/Capric Triglyceride, Simulgel 600, Isohexadecane, Polysorbate 80, U.S.P. Grade Progesterone, Glycerin, Grapefruit Seed Extract, Lecithin, Alcohol, Glyceryl Monocaprylate, Glyceryl Monoundecylate, Sodium Hydroxymethylglycinate, Potassium Sorbate, parfum, p-Anisic Acid, Tocopheryl Acetate

Natural Progesterone PLUS Ingredients:

Deionized Water, Caprylic/Capric Triglyceride, Polyacrylamide, C 13-14 Isoparaffin, Laureth-7, Progesterone, Glycerin, Lecithin, Alcohol, Simulgel 600, Sodium Hydroxymethylglycinate, Grapefruit Seed Extract, Tocopheryl Acetate, Citric Acid, Potassium Sorbate, Estriol, Estradiol

Progesterone is a hormone produced by a woman's ovaries during the middle, or luteal, phase of her menstrual cycle. Progesterone is also made in small amounts in other parts of the body such as the adrenal glands, and the nervous system. In women, progesterone has important effects on the brain, breast, uterus, ovaries and cervix. Adequate progesterone is necessary for normal menstrual cycles and pregnancy.

Progesterone may be called natural progesterone or bioidentical progesterone, to distinguish it from synthetic hormones, such as the progestins, found in birth control pills and some pharmaceutical hormone replacement therapy (HRT).

Progesterone has many important roles in a woman's health. One of progesterone's primary functions is to balance the effects of estrogen, the female hormone. When estrogen is out of balance with progesterone it can cause uncontrolled cell growth, which can lead to cancer, especially of the breast, ovaries and uterus. The presence of progesterone assures

that cell growth stays in balance in the presence of estrogen.

When estrogen is not balanced by progesterone, this is known as estrogen dominance. This is a common form of hormone imbalance caused by a relative deficiency of progesterone. Estrogen dominance can lead to bloating, mood swings, irritability, weight gain and tender breasts. Estrogen and progesterone in balance with each other helps create overall hormone balance.

An ovulating woman typically makes an average of 30 mg per day of progesterone during the last two weeks of her menstrual cycle. Some women may ovulate, but then not produce a normal amount of progesterone, which is known as luteal phase deficiency. Some women may not ovulate at all during their menstrual cycle, causing a progesterone deficiency. Low progesterone or progesterone deficiency becomes more common as women age.

When women become pregnant, progesterone levels start to rise at the end of the first trimester, and by the third trimester the placenta is making around 300 mg of progesterone daily. OB/Gyns often use progesterone supplementation when pregnant women are at risk of preterm labor.

Progesterone is a calming hormone because it affects the GABA receptors in the brain. Perimenopausal women with insomnia often have a progesterone deficiency.

Symptoms of Progesterone Deficiency in Pre-menopausal Women

- Irregular periods
- Bloating
- Cramping
- Irritability
- Insomnia
- Headaches
- Restlessness
- Anxiety
- Breast tenderness
- Mood swings
- Weight gain



Symptoms of Progesterone Deficiency in Perimenopausal and Menopausal Women

- Mood swings
- Insomnia
- Headaches
- Restlessness
- Anxiety
- Depression
- Breast tenderness
- Weight gain
- Hot flashes
- Night sweats
- Vaginal dryness
- Thyroid deficiency symptoms
- Foggy thinking
- Fatigue

Progesterone and Hormone Imbalance in Menopause

As a woman ages, she produces less and less progesterone. When she reaches menopause, usually around the age of 50, she is making almost no natural progesterone, but continues to make some estrogen and some testosterone. For many women, this deficiency of progesterone can bring on the menopause symptoms listed above, that are the hallmarks of a menopausal hormone imbalance.

Research

Progesterone and the Risk of Preterm Birth among Women with a Short Cervix
Eduardo B. Fonseca, M.D., Ebru Celik, M.D., Mauro Parra, M.D., Mandeep Singh, M.D., and Kypros H. Nicolaides, M.D. for the Fetal Medicine Foundation Second Trimester Screening Group
N Engl J Med 2007; 357:462-469 August 2, 2007 DOI: 10.1056/NEJMoa067815
<http://www.nejm.org/doi/full/10.1056/NEJMoa067815>

Journal: General Obstetrics and Gynecology
Obstetrics
Prophylactic administration of progesterone by vaginal suppository to reduce the incidence of spontaneous preterm birth in women at increased risk: A randomized placebo-controlled double-blind study Eduardo B. da Fonseca, MD
(Am J Obstet Gynecol 2003;188:419-24.)
<http://www.ncbi.nlm.nih.gov/pubmed/12592250>

Progesterone and Breast Cancer

Climacteric. 2012 Apr;15 Suppl 1:18-25. doi: 10.3109/13697137.2012.669584.
Micronized progesterone and its impact on the endometrium and breast vs. progestogens.
Gompel A.
<http://www.ncbi.nlm.nih.gov/pubmed/22432812>

Breast Cancer Res Treat. 2007 Jan;101(2):125-34.
Effects of estradiol with micronized progesterone or medroxyprogesterone acetate on risk markers for breast cancer in postmenopausal monkeys.
Wood CE1, Register TC, Lees CJ, Chen H, Kimrey S, Cline JM.
<http://www.ncbi.nlm.nih.gov/pubmed/16841178>

Progesterone and GABA Receptors

Prog Neurobiol. 2014 Feb;113:6-39. doi: 10.1016/j.pneurobio.2013.09.004. Epub 2013 Oct 27.
Revisiting the roles of progesterone and allopregnanolone in the nervous system: resurgence of the progesterone receptors.
Schumacher M1, Mattern C2, Ghoumari A3, Oudinet JP3, Liere P3, Labombarda F4, Sitruk-Ware R5, De Nicola AF4, Guennoun R3.
<http://www.ncbi.nlm.nih.gov/pubmed/24172649>

Progesterone and Brain Injury

Brinton RD, Thompson RF et al, "Progesterone receptors: form and function in brain," Front Neuroendocrinol 2008 May;29(2):313-39. Epub 2008 Feb 23.
<http://www.ncbi.nlm.nih.gov/pubmed/18374402>

Neuroscience. 2011 Sep 15;191:101-6. doi: 10.1016/j.neuroscience.2011.04.013. Epub 2011 Apr 14. Progesterone in the treatment of acute traumatic brain injury: a clinical perspective and update.
Stein DG.
<http://www.ncbi.nlm.nih.gov/pubmed/21497181>

Horm Behav. 2013 Feb;63(2):291-300. doi: 10.1016/j.yhbeh.2012.05.004. Epub 2012 May 14. A clinical/translational perspective: can a developmental hormone play a role in the treatment of traumatic brain injury?
Stein DG.
<http://www.ncbi.nlm.nih.gov/pubmed/22626570>

Progesterone and Sleep

Psychoneuroendocrinology. 2013 Nov;38(11):2618-27. doi: 10.1016/j.psyneuen.2013.06.005. Epub 2013 Jul 10.
Autonomic regulation across phases of the menstrual cycle and sleep stages in women with

premenstrual syndrome and healthy controls.
de Zambotti M1, Nicholas CL, Colrain IM, Trinder JA, Baker FC.
<http://www.ncbi.nlm.nih.gov/pubmed/23850226>

Mini Rev Med Chem. 2012 Oct;12(11):1040-8.
Steroid hormones and sleep regulation.
Terán-Pérez G1, Arana-Lechuga Y, Esqueda-León E, Santana-Miranda R, Rojas-Zamorano JÁ, Velázquez Moctezuma J.
<http://www.ncbi.nlm.nih.gov/pubmed/23092405>

Progesterone and PMS

Biol Psychol. 2012 Dec;91(3):376-82. doi: 10.1016/j.biopsycho.2012.08.001. Epub 2012 Aug 10.
Higher luteal progesterone is associated with low levels of premenstrual aggressive behavior and fatigue.
Ziomkiewicz A1, Pawlowski B, Ellison PT, Lipson SF, Thune I, Jasienska G.
<http://www.ncbi.nlm.nih.gov/pubmed/22906865>

Progesterone and Breast Tenderness

Sitruk-Ware LR, Stenkers N, Mowezowicz, et al: Inadequate corpus luteal function in women with benign breast disease. J Clin Endocrinol Metab 1977; 44:771
<http://www.ncbi.nlm.nih.gov/pubmed/849987>

Progesterone and Perimenopause

Front Biosci (Schol Ed). 2011 Jan 1;3:474-86.
The endocrinology of perimenopause: need for a paradigm shift.
Prior JC1, Hitchcock CL.
<http://www.ncbi.nlm.nih.gov/pubmed/21196391>

Progesterone and Menopause

Gynecol Endocrinol. 2012 Oct;28 Suppl 2:7-11. Epub 2012 Aug 1.
Progesterone for hot flush and night sweat treatment—effectiveness for severe vasomotor symptoms and lack of withdrawal rebound.
Prior JC1, Hitchcock CL.
<http://www.ncbi.nlm.nih.gov/pubmed/22849758>

Int J Pharm Compd. 2014 Jan-Feb;18(1):70-7.
The effectiveness of sublingual and topical compounded bioidentical hormone replacement therapy in postmenopausal women: an observational cohort study.
Ruiz AD, Daniels KR.
<http://www.ncbi.nlm.nih.gov/pubmed/24881343>



Sulfa*Derm[®]

All Natural Formula

SKU: SBL108

UPC: 736211568342

Contents: 1.5 oz Topical Cream

Sulfa*Derm[®] has proven to be effective in the treatment of many challenging skin conditions including: Psoriasis, Eczema, Dermatitis and Acne Vulgaris. Bacterial, fungal and parasitic skin disruptions may also be resolved with Sulfa*Derm[®] within 1 to 2 weeks when applied 3 to 4 times per day. Sulfa*Derm[®] is effective even against the most stubborn *Staphylococcus aureus* bacterial overgrowth.

Indications: Promotes healthy skin by correcting acne problems and helping to alleviate inflammatory skin conditions and rashes that may be caused by allergens or micro-organisms.

Active ingredients:

Pure Yellow Sulfur Mineral 99.96%

Other Ingredients:

Contains 32 herbs, and minerals including Zinc Oxide, Aloe Vera, Tea Tree Oil and Vitamin E.

Sulfa*Derm[®] promotes healthy skin by correcting acne problems and helping to alleviate inflammatory skin conditions and rashes that may be caused by allergens or micro-organisms. This unique proprietary blend of ingredients including: Sulfur, Zinc Oxide, Tea Tree Oil and Aloe Vera, exhibit immense antimicrobial, antifungal and healing properties for the skin. Sulfur has keratolytic properties, which can soften the keratin proteins that comprise the structural components of the outer layer of the skin. This process improves the skin's moisture binding capacity and helps reduce excessive sebum or oil secretion. Sulfur also exhibits exfoliating properties that help remove dead skin cells and balances sebum secretions. When pores on the skin get clogged due to dead skin cells and excessive sebum excretion, sulfur can help exfoliate the surface of the skin and prevent further clogging of the hair

follicle pores. The unique ingredients found in Sulfa*Derm[®] helps to exfoliate dead skin cells, balance oil secretions, prevent bacterial overgrowth, and stimulate healing of damaged skin.

Why is this natural medication prescribed?

Sulfa*Derm[®] was originally formulated for acne. After 21 years of continued use and research, it has been shown to relieve some of the most severe skin problems. Until recently, Sulfa*Derm[®] could only be found in dermatology offices and a few pharmacies. It is now available over the counter at many locations as well as on the internet.

How should this topical medicine be used?

Sulfa*Derm[®] can be applied to the affected area 3 to 6 times a day, depending on the condition. When used on the skin, white film will be left on the skin for a few hours if it is not thoroughly rubbed in. When possible, it is best to apply a thick layer of Sulfa*Derm[®] to the area without rubbing it in. At night or when staying indoors, apply a thick enough layer to see the white coating on the skin.

What special precautions should I follow?

Sulfa*Derm[®] is not a Sulfa drug. It is an all natural non-astringent, non-drying Antimicrobial cream. Today, there is no formula on the market like Sulfa*Derm[®]. Even where the strongest drug treatments have failed, Sulfa*Derm[®] has been



effective. Sulfa*Derm® is not for use in the mouth or eyes.

Side Effects or Reactions:

Side effects from Sulfa*Derm® are not common but may occur. There have been 2 reported incidents over the past 21 years, but it was unsure if these were side effects or reactions between Sulfa*Derm® and the rash. In both cases, the reaction went away in 24 hours and the skin improved.

If uncertain about sensitive areas of the skin, Sulfa*Derm® is recommended to be applied sparingly at start to see how the skin reacts. If there is no reaction or a mild one, it can then be applied at full strength. Severe skin rashes that do not improve within 48 hours or become very painful should be seen by a trained skin specialist or your local physician.

What storage conditions are needed for this medicine?

Keep this medication in the container it came in, tightly closed, and out of reach of children. Store at room temperature and away from excess heat and moisture (i.e. do not store in the bathroom). Throw away any medication that is outdated or no longer needed. Talk to your pharmacist about the proper disposal of your medications.

Diet:

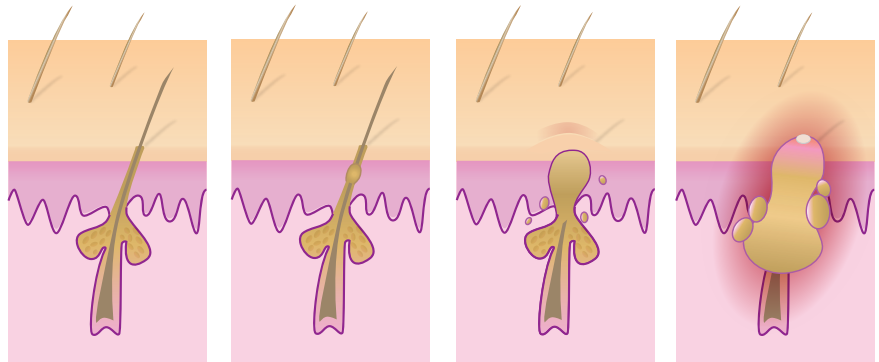
When trying to resolve a skin problem, it is best to avoid all sugar substances, including synthetic sweeteners. A balanced diet including plenty of fresh fruits and vegetables is always the best remedy for quality health and longevity. Make sure to consume high amounts of fibrous foods and drink plenty of water to

help promote the elimination and removal of toxins from the body.

Acne:

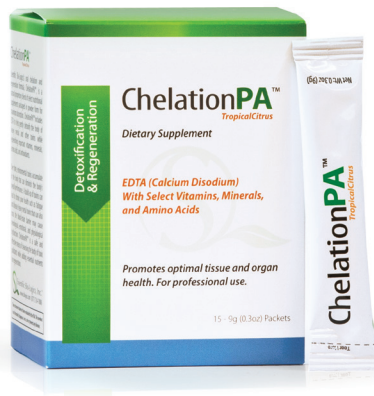
Acne Vulgaris is common skin disease that affects children, teenagers and adults. Acne is an inflammatory skin condition that is caused when microcomedones found within the skin pores get an overproduction of oil, or sebum, that creates an environment which favors the overgrowth of certain bacteria such as Propionibacterium acnes. This overgrowth can lead to increased inflammation and cellular damage caused by enzymes secreted from the bacteria as well as the Immune System responding to the overgrowth of bacteria. These unhealthy damaged pores may cause skin lesions that can be colonized by other opportunistic bacteria found on the skin, such as Staphylococcus, which will trigger an enhanced immune response to that area. This will create the synonymous reddish irradiated appearance to the skin. Traditional therapies for acne include oral antibiotics, which can increase the prevalence of antibiotic resistant bacteria if not administered properly. Antibiotics can also disrupt the various healthy bacteria communities found throughout the body. Alternative therapies such as Sulfa*Derm® can be highly effective in treating acne, for it provides new protocols for treating bacterial imbalances on the skin without causing an increase in antibiotic resistance. Sulfa*Derm® can be applied every 3 to 4 hours until conditions have improved.

Formation of Skin Pimples and Acne



- 1. Healthy follicle
- 2. Duct clogged by dead cells, sebum starts to accumulate
- 3. Bacterial infection, inflammation triggered, - pimple
- 4. Follicle ruptures, pustule with fluid formed, - acne

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



ChelationPA™ - (One 9gm Packet of 15)

ChelationPA™

EDTA (Calcium Disodium) With Select Vitamins, Minerals, and Amino Acids

SKU: SBL120

UPC: 736211569448

Contents: 15 - 9g Packets

Scientific Bio-Logics' oral chelation and regeneration formula, ChelationPA™ is a natural proprietary blend of select nutritional supplements packaged in powder form for maximum absorption. ChelationPA™ includes EDTA to help gently detoxify the body of heavy metals and other toxins while replenishing important vitamins, minerals, amino acids, and antioxidants.

Directions:

Mix one 9-gram packet in an 8-ounce glass of water or juice and drink. For best results, use ChelationPA™ once a day with a meal either in the morning or afternoon for one month, every six months, or as directed by your practitioner.

ChelationPA™ combines the heavy metal scavenging properties of EDTA with a potent vitamin, mineral and amino acid formula in order to maintain proper blood mineral homeostasis in the body. EDTA is a compound known for its ability to bind heavy metals present in the tissues and bloodstream, facilitating their removal from the body. Once toxins are deactivated and bound to EDTA, the liver and kidneys can more readily excrete these compounds from the body. Our environment and diet do not always provide the nutrients our body needs to operate at peak performance. This is why the ChelationPA™ proprietary blend of essential nutrients is not only a great addition to an oral chelation protocol but can also serve to promote tissue regeneration by elevating low nutrients levels in the body.

Detoxification

Unstable positively charged metal compounds such as arsenic, cadmium, lead, and mercury can negatively affect human health through the production of free radical molecules and increase in cellular damage caused from oxidative stress. Long term over-exposure to oxidative stress can impair DNA repair mechanisms, reduce

antioxidant enzyme function, interrupt cell signaling and growth, and is a major underlying cause of several degenerative diseases. As free radicals and toxin molecules accumulate, our bodies require certain ingredients to aid in detoxification processes.

EDTA is a synthesized molecule which binds to positively charged metals (such as lead, mercury, and cadmium), rendering them water soluble and less chemically reactive. These toxins can then be easily filtered from the bloodstream and excreted from the body.

L-Cysteine and L-Methionine are sulfur containing amino acids which are critical to detoxification and activation of antioxidant enzymes in the body. They have been shown to protect the liver, kidney, and brain from damaging free radical molecules.

Betaine, Choline and Inositol are essential nutrients involved in the protection and regeneration of the liver through the production of phospholipids, which are critical building blocks for cell membranes and

Supplement Facts		
Serving Size: 1 Packet (9g/0.3oz)		
Servings Per Container: 15		
Amount Per Serving		%Daily Value
Vitamin A (75% Beta Carotene/25% Retinyl Acetate)	20,000IU	400%
Vitamin C (as Ascorbic Acid)	4,000mg	6667%
Vitamin E (as d,l-Alpha Tocopheryl Acetate)	600IU	2000%
Thiamin (as Thiamin HCl)(Vitamin B1)	20mg	1333%
Riboflavin (Vitamin B2)	10mg	588%
Niacin (from Niacin & Niacinamide)	60mg	300%
Vitamin B6 (from Pyridoxine HCl)	30mg	1500%
Folic Acid	30mcg	8%
Vitamin B12 (Cyanocobalamin)	30mcg	500%
Biotin	30mcg	10%
Pantothenic Acid (from Calcium d-Pantothenate)	20mg	200%
Magnesium (from Magnesium Oxide)	300mg	75%
Zinc (from Zinc Citrate)	15mg	100%
Selenium (from Amino Acid Chelate)	200mcg	286%
Manganese (from Manganese Citrate)	5mg	250%
Chromium (from Chromium Polynicotinate)	130mcg	108%
Potassium (from Potassium Citrate)	35mg	1%
L-Cysteine HCl	660mg	*
EDTA (Ethylenediaminetetraacetic Acid)	300mg	*
Choline Bitartrate	400mg	*
L-Methionine	160mg	*
Betain HCl	120mg	*
Inositol	40mg	*

*Daily Value (DV) not established

lipoproteins. These compounds support the liver's ability to metabolize and transport lipids and cholesterol throughout the body. Choline and Inositol are vital in the production of intracellular messenger molecules that are necessary for proper brain, nerve and muscle system function. Choline together with its metabolite Betaine are important methyl donors that are involved in the deactivation of the harmful free radical molecule, known as homocysteine. Elevated blood levels of homocysteine have been associated with increased risk of several health conditions including cardiovascular disease.

ChelationPA™ and Proper Nutrition

Supplementation should never be a replacement for proper nutrition. Long-term health is a product of an active lifestyle that combines rest with a healthy diet consisting of clean, fresh, nutrient-dense, minimally processed, and fiber-rich whole foods. During detoxification drink plenty of water and eat whole foods to help ensure regular bowel movements (at least 2-3 per day) in order to enhance the removal and prevent the reabsorption of toxins in the body.



Replenishing Ingredients

Vitamin A:

(75% Beta Carotene/25% Retinyl Acetate)
Essential for vision health, bone growth, reproduction, immunity, and normal cellular function through regulation of gene expression.

Vitamin C:

(as Ascorbic Acid)
Needed for proper immune system functioning, collagen formation, and is a powerful antioxidant against free radical molecules.

Vitamin E:

(as d-Alpha Tocopheryl Acetate)
Is an essential fat soluble vitamin that provides antioxidant protection for lipids that are found in cell membranes as well as in lipoproteins such as LDLs.

Thiamin:

(as Thiamin HCl)(Vitamin B1)
Acts as a coenzyme for cellular energy production.

Riboflavin:

(Vitamin B2)
Integral component for co-enzymes involved in the metabolism of carbohydrates, fats and proteins, as well as the reduction of oxidative stress through supporting the glutathione redox cycle.

Niacin:

(from Niacin & Niacinamide)
Essential vitamin that activates co-enzymes involved in energy production and cell signaling.

Vitamin B6:

(from Pyridoxine HCl)
Critical component of enzymes involved in over 100 different chemical reactions ranging from sugar metabolism, hemoglobin production, neurotransmitter synthesis, hormone regulation, and homocysteine deactivation.

Folic acid:

Important component in DNA synthesis, amino acid metabolism, red blood cell formation and homocysteine deactivation.

Vitamin B12:

(Cyanocobalamin)
Critical nutrient in amino acid synthesis, hemoglobin production, DNA methylation and homocysteine metabolism.

Biotin:

Important for structural integrity of proteins found in hair, skin and nails. Essential cofactor for enzymes involved in the metabolism of amino acids, cholesterol and lipids.

Pantothenic acid:

(from Calcium d-Pantothenate)
Supports enzymes involved in carbohydrate, protein, fat and cholesterol metabolism.

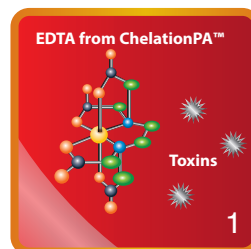
Magnesium:

(from Magnesium Oxide)
Is essential for numerous metabolic reactions ranging from energy production, cell signaling, conduction of nerve impulses, and structural integrity of bones, cell membranes and chromosomes.

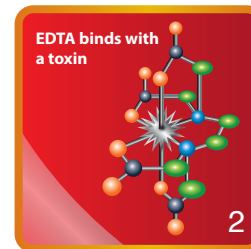
Zinc:

(from Zinc Citrate)
Important mineral involved in growth and development, immune system support and cell membrane integrity. Over 100 different enzymes need zinc to perform their catalytic functions in the body.

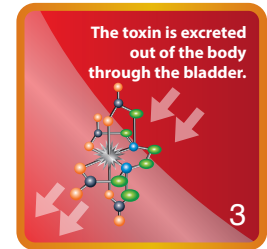
The Basics of the Chelation Function



Negatively charged EDTA is attracted to unstable positively charged toxic elements.



EDTA bonds to and surrounds a toxin, stabilizing and rendering it water soluble.



In solution and less chemically reactive, the toxin is now able to pass out of the body.

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



DailyGest[®]

SKU: SBL111

UPC: 736211568441

Contents: 90 Vegetarian Capsules

DailyGest[®] aids and improves digestion of proteins, carbohydrates, fats, sugars, and fibers under a wide range of gastrointestinal pH. DailyGest[®] contains 17 different enzymes at high activity, selected to work synergistically.

Suggested Use:

Take one capsule 5 minutes before, during, right after meals, or as directed.

Caution:

Check with physician if you have ulcer or gastritis. Pregnant or nursing women should consult a physician before using.

Supplement Facts

Serving Size: 1 Capsule
Serving Per Container: 90 caps

Amount Per Serving FCC Units	% Daily Value
Amylase	12,000 DU *
Protease Proprietary Blend	58,000 HUT *
Protease 4.5, 6.0, 3.0, Neutral Bacterial, & Peptidase	
Lipase	1,000 LU *
Cellulase	1,500 CU *
Glucoamylase	20 AGU *
Invertase (Sucrase)	40 INVU *
Bromelain	500,000 PU *
Papain	500,000 PU *
Alpha-Galactosidase	120 GALU *
Peptidase FP	2,000 HUT *
Malt Diastase	200 DP *
Lactase	600 ALU *
Phytase	4.5 FTU *
Hemicellulase	260 HCU *

*Daily Value not established

Other Ingredients: Cellulose capsule, rice bran. Contains no artificial colors, artificial flavors. No animal ingredients. (1) SU=Summer units (non-FCC unit Type)

STORE IN A COOL DRY PLACE, OUT OF CHILDRENS REACH. MAY BE REFRIGERATED FOR OPTIMUM STORAGE.

Enzymes in DailyGest[®] by Food Type:

Carbohydrolytic (starch, carbohydrates):

Amylase hydrolyzes the interior alpha-1, 4-glucosidic bonds of starch, reduces the viscosity of gelatinous starch, amylose, and amylopectin solutions to yield soluble dextrans. Its saccharifying action liberates glucose and maltose.

Malt Diastase (Maltase) continues the breakdown of starch by removing successive maltose units from the nonreducing ends of polysaccharides.

Glucoamylase completes the hydrolysis of starches by turning maltose into glucose. Glucoamylase hydrolyzes terminal (end) linkages while Amylase works on the interior bonds.

Sugars:

Lactase digests milk sugars into glucose and galactose. This action is especially important in individuals who consume milk products and have a lactase deficiency (known as lactose intolerance). This group includes 70% of the world's population and over 1/3 of the US population.

Invertase (Sucrase) breaks down sucrose (refined table sugar) into glucose and fructose. It is theorized that undiagnosed sucrose intolerance contributes to many allergies.

Alpha-Galactosidase is included to hydrolyze certain types of sugars called oligosaccharides found in certain vegetables, legumes, and grains. These sugars, including raffinose, stachyose, and verbascose, are indigestible because humans do not produce alpha-Galactosidase to break them down. Undigested, these sugars remain in the intestine and are fermented by certain bacteria, causing gas and bloating.

Fibers:

Cellulase is a complex of 3 enzymes which convert the cellulose in plant fibers to glucose.

Hemicellulase will hydrolyze hemicellulose, a polysaccharide which binds certain enzymes and decreases the rate of nutrient digestion. Hemicellulase will reduce the molecular weight of these components, such as galactomannoglucans, beta glucans, pentosans, and various gums, then turning them into the more easily assimilable polysaccharides.

Phytase digests phytate, a major component of wheat bran that binds minerals such as zinc iron and calcium, hindering their absorption. Phytase catalyzes the hydrolysis of phytate (phytic acid) into its component parts, releasing beneficial inositol and ortho-phosphate.



Proteins (Proteolytic):

Protease is an enzyme which digests proteins. By combining 5 different Proteases, DailyGest® allows for the digestion of protein at the full range of pH conditions as exist in the entire digestive tract, from the stomach to the small intestine. Optimal protein digestion begins in the stomach, which has a lower pH. To ensure that the entire spectrum of digestive pH 2.0-11.0 is covered, three different proteases are used to cover the wide range of activity. In addition, neutral bacterial protease is added to hydrolyze most soluble proteins.

Peptidase FP is added to selectively hydrolyze protein molecules at the ends of a peptide chain and liberate amino acids.

Bromelain is a mixture of enzymes from ripe and unripe Pineapple fruit and plant stem, which has a range of activity. It breaks down proteins to form peptides and amino acids with preferential cleavage of peptide bonds, where the carbonyl group is from either a basic amino acid or an aromatic amino acid. Bromelain is also effective as an anti-inflammatory agent.

Papain is derived from the Papaya plant (the latex of the unripe fruit) and has been used to aid digestion since the 1880's. It has also been used to relieve dyspepsia and other common digestive disorders. Clinically, it has been shown to prevent peritoneal adhesions common after surgery.

Fats (Lipolytic):

DailyGest® contains a large amount of Lipase, the enzyme that specifically digests fats (triglycerides) into free fatty acids and glycerol, enabling absorption of fat soluble nutrients through the intestinal mucosa. Improper fat digestion is a very common ailment in populations such as the U.S. where large amounts of fats and oils are consumed. Significant discomfort such as bloating, gas, and a "full" feeling are common in middle aged and elderly people who lack sufficient lipolytic enzymes. The dose of 1000 LU of Lipase is specifically designed to digest meals containing large amounts of fat.

More Information:

High Potency Enzyme Formula for TOTAL DIGESTION of all major food groups!

Enzymes are complex proteins that act as catalysts in almost every biochemical process in the body. Their activity depends on the presence of adequate vitamins and minerals. Food enzymes include proteases for digesting protein, lipases for digesting fats, and amylases for digesting carbohydrates. Humans eating an enzyme-poor diet, comprised primarily of cooked food, use up a tremendous amount of their enzyme potential in the outpouring of secretions from the pancreas and other digestive organs.

What Type of Enzymes are in DailyGest®?

DailyGest® contains only plant source digestive enzymes, as opposed to animal source Pancreatic Enzymes. Plant derived enzymes are specifically useful in digesting the many types of foods in a varied diet. These include fat, starch, protein, sugars, and fibers.

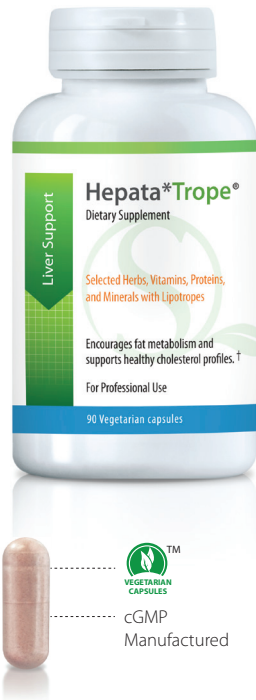
What is the Difference Between Plant and Animal source enzymes?

Animal source enzymes are derived from bovine (cow) or porcine (pork) Pancreatin, and function in a limited alkaline pH range, as found in the small intestine, but not in the stomach with its lower (acidic) pH. Plant source enzymes are able to operate efficiently in a range which allows them activity in the stomach as well as the small intestine. Thus, plant enzymes are the clear choice for digestive support.

Why take Digestive Enzymes?

Our pancreas produces less and less digestive enzymes from poor diet, aging, stress, and heredity. Diets high in processed and cooked foods deactivate natural digestive enzymes in food, stressing the pancreas which must produce large amounts of enzymes. Most people lack sufficient digestive enzymes to properly digest an average meal. There are many health problems associated with incomplete digestion leading to many health problems, from allergies to arthritic damage.

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Hepata*Trope[®]

SKU: SBL116

UPC: 736211569349

Contents: 90 Vegetarian Capsules

In addition to the protective and regenerative properties of the Milk Thistle herb, Scientific Bio-Logics' Hepata*Trope[®] formula also combines specific vitamins, minerals, amino acids and herbs that are targeted for lipid metabolism and optimal liver function. These nutrients aid the liver and gallbladder in the metabolism of lipids and cholesterol. It also helps with the conjugation of hormones such as estradiol.

Indications: Supports healthy liver function, promotes detoxification, aids in lipid and cholesterol metabolism, and provides protection against oxidative damage.

Suggested Usage: Take one capsule three times daily. Reduce dosage as directed by your healthcare practitioner or pharmacist.

Supplement Facts

Serving Size 1 Capsule

Servings Per Container 90

Amount Per Serving		% Daily Value
Vitamin C (as Ascorbic Acid)	50 mg	83%
Vitamin B-6 (as Pyridoxine HCl)6	mg	300%
Folic Acid	200mcg	50%
Vitamin B-12 (Cyanocobalamin)	200mcg	3,333%
Pantothenic Acid (as Calcium Pantothenate)	60mg	600%
Magnesium (as Magnesium Aspartate)	25mg7	%

Scientific Bio-Logics Proprietary Blend 440mg*

Milk Thistle Powder, Choline (from Choline Bitartrate), Inositol, Betaine HCl, L-Methionine, Green Beet Leaf Powder, PABA (Para-Amino Benzoic Acid), Fringe Tree Root Powder, Celandine Root Powder

*Daily Value (DV) not established.

Other Ingredients: Vegetable magnesium stearate, silicon dioxide

Hepata*Trope[®] is a comprehensive formula combining selected herbs, amino acids, vitamins, and minerals that are known to support liver function and provide protection for this vital organ. The largest of the internal organs, it weighs approximately 2.5 to 3 pounds. The liver is suspended behind the ribs on the upper right side of the abdomen and spans almost the entire width of the body. The liver has a variety of functions it performs in the human body, ranging from metabolism of various compounds, glycogen storage, decomposition of inactive red blood cells, plasma protein synthesis, hormone production and inactivation, and blood filtration and detoxification. The liver along with the gallbladder, pancreas, and intestines all work together to digest, process and absorb the nutrients from food.

Fat or adipose tissue is used as energy storage for the body. When other sources of energy such as carbohydrates are low, the body will call on the liver to metabolize lipids into energy. The liver can remove fatty acids from

the diet or from deposits in the body. Through degradation and oxidation of the long carbon chains of the fatty acid molecule, the liver will produce smaller compounds that are used for energy production at the cellular level. Lipotropic factors such as those found in Hepata*Trope[®] can assist with lipid metabolism and prevent abnormal accumulation of fats in the liver.

When hormone levels reach a certain concentration in the blood and are no longer being absorbed and utilized by their target tissues, they must be deactivated and excreted from the body through a process that is facilitated by the liver. Enzymes in the liver deactivate hormones and conjugate these metabolites in order for them to be excreted by the kidneys. Conjugation is a process of converting a fat soluble molecule into a hydrophilic, or water soluble, metabolite that can be easily excreted in urine at high concentrations. Estrogen and other steroid hormones can be carcinogenic if

their levels are too high and are not properly eliminated from the body. The ingredients in Hepata*Trope[®] can keep the liver healthy and maintain its performance of these essential functions.

Milk Thistle (*Silybum marianum*) is used in Europe as both an over-the-counter and prescription medication to treat a variety of liver ailments. According to medical literature published overseas, the herb has been used successfully in treating hepatitis and reversing liver damage caused by cirrhosis, drugs and toxins (without side effects). Milk Thistle contains an array of flavonoid compounds and exhibits hepatoprotective, antioxidant, and hepatocyte regeneration properties. This special herb also helps as well as helping to regulate the inflammatory response in the liver.

In addition to the protective and regenerative properties of the Milk Thistle herb, Scientific Bio-Logics' Hepata*Trope[®] formula also combines specific vitamins, minerals, amino



acids and herbs, that are targeted for lipid metabolism and optimal liver function. These nutrients aid the liver and gall bladder in the metabolism of lipids and cholesterol as well as the conjugation of hormones such as estradiol.

Choline, considered one of the B vitamins, functions with inositol as a basic constituent of lecithin. Choline combines with fatty acid chains and phosphoric acid within the liver to form lecithin or phosphatidylcholine. It is associated primarily with utilization of fats and lipids in the body. It prevents fats from accumulating in the liver and facilitates their transportation to other tissues throughout the body through vesicles made of phospholipids called lipoproteins. It also improves liver and gallbladder function and helps prevent gallstones (3).

Inositol, like choline, is a constituent of lecithin, which is needed to transport fats from the liver to other tissues. High intake of caffeine may create an inositol shortage in the body (3).

Homocysteine is an amino acid produced in the body that can cause oxidation towards low density lipoproteins. Studies have shown an association between elevated levels of homocysteine and cardiovascular disease. During protein digestion in the body, amino acids such as Methionine gets released. Homocysteine is an intermediate in the production of methionine and there are two biochemical pathways that convert homocysteine to a non-harmful amino acid. One of these biochemical pathways contains an enzyme that requires Vitamin B-6 to convert homocysteine back into the amino acid cysteine. The second pathway converts homocysteine to methionine and is dependent on Vitamin B-12 and Folic Acid being present. The coenzyme of vitamin B-12 is a carrier of methyl groups and hydrogen and is necessary for carbohydrate, protein and fat metabolism. Because of its methyl transfer role, vitamin B-12 is active in the synthesis of the amino acid methionine from its precursor, homocysteine. The coenzyme transfers methyl groups from methyl folate, a derivative of folic acid, to homocysteine thereby forming methionine. Because methionine is needed in choline synthesis, B-12 plays a secondary role in

the phospholipid biosynthesis. A choline deficiency that causes fatty liver can be prevented by vitamin B-12, as well as other methyl donors such as betaine, methionine, and folic acid (3).

PABA, para-aminobenzoic acid, stimulates intestinal bacteria growth, enabling them to produce folic acid and pantothenic acid which can be absorbed through the intestines.

Pantothenic Acid is a component of coenzyme A, an essential coenzyme in the generation of energy from carbohydrates, fat and protein. Coenzyme A is also involved in the synthesis and metabolism of lipids, cholesterol and steroid hormones.

Magnesium is necessary for coenzyme A to carry out its various chemical reactions. The mineral has been shown to enhance enzymatic activity in the liver (4). Such vitamin and mineral deficiencies can lower coenzyme A activity (1). Magnesium in case studies has been credited with dissolving gallstones (7). Alcohol consumption increases the dietary need for magnesium by threefold (4).

Celandine is primarily used as a liver-detoxifying herb for the treatment of hepatitis, jaundice, cancer, psoriasis, eczema and skin problems (9).

Beet Leaves have been found to increase bile flow and also aids carbohydrate and fat metabolism (7). Betaine is a source of methyl groups. It is used in the liver for the detoxification of free radicals and other reactive by-products like homocysteine (7).

Methionine acts as a methyl donor and antioxidant in liver tissues and aids healing and detoxification of these tissues (7). Its primary lipotropic function is to prevent excess fat accumulations in the liver by increasing lecithin production (8).

References

1. Blackwoods Materia Medica, Economic Homeo Pharmacy (1959).
2. Williams, Sue Rodwell, Nutrition and Diet Therapy, C.W. Mosby Co. (1969).
3. Nutrition Search, Inc., Nutrition Almanac, McGraw Hill (1975).
4. Heinz International Research Center, Heinz Nutritional Data, Heinz 1972.
5. Colimore, Benjamin and Sarah Stewart, Nutrition and Your Body, Light Wave (1974).
6. Clark, Linda, Handbook of Natural Remedies for Common Ailments, Devia Adair (1976).
7. Boericke, William, Pocket Manual of Homeopathic Materia Medica, Boericke & Runyon (1972).
8. Garrison, Robert H, jr. and Somer, Elizabeth, The Nutrition Desk Reference Keats Publishing, New Canaan, CT, 1985.
9. Tierra, Michael, The Way of Herbs, Pocket Books, New York, NY 1990.



Scientific Bio-Logics, Inc.[®]
Your integrative health care product source

Essential Vegetable & Fruit Blend



Organic Green Goods™

SKU: SBL127

UPC: 640793045965

Contents: Nt Wt. 240 g

Servings: 30

Scientific Bio-Logics[®] Organic Green Goods™ is a proprietary blend made-up of wheat grain free, USDA certified organic green vegetables and fruits. This nutrient dense concentrated food source also includes essential vitamins, proteins, minerals, probiotics, and fiber. Through our research, we found numerous scientific studies which revealed these select vegetables and fruits contain dozens of unique compounds called phytochemicals, which enable the body to maintain optimum health and function. Using a careful extract process to collect the essential ingredients, we've engineered this unique mix of natural grasses, cruciferous vegetables, (broccoli family), and sea vegetables suitable for daily nutrition.

Suggested Use:

Once a day, place one scoop in a shaker with 6 ounces of water, apple, or vegetable juice and shake until dissolved. Organic Green Goods™ can also be added to smoothies. Measuring scoop enclosed.

Ingredients:

U.S.D.A. Certified Organic Proprietary Green Blend: Alfalfa Leaf Juice Powder, Wheatgrass Juice Powder, Wheatgrass Whole Powder, KAMUT[®] Grass Juice Powder, Golden Flax Seed, Spirulina, Chlorella, Dulse, Apple, Kelp, Oat Grass Juice Powder, Kale, Parsley, Cabbage, Broccoli

Other Ingredients:

Probiotic Blend:

(1.14 Billion CFU per serving)
(L. gasseri, B.bifidum, B. longum)

Scientific Bio-Logics[®] Organic Green Goods™ is a nutritionally dense blend of green superfoods that will help energize your body, alkalinize your blood, detoxify your cells and strengthen your immune system. This blend of juiced grasses, algae, vegetable and fruit powders provides a source of highly absorbable vitamins, minerals, fiber, amino acids, carotenoids, and other critical phytonutrients to create better overall health and longevity.

Organic Green Goods™ also provides three probiotic strains of bacteria including Lactobacillus gasseri, Bifidobacterium bifidum and Bifidobacterium longum. These beneficial strains of bacteria colonize the intestinal tract and help with the assimilation of nutrients, elimination of waste, synthesis of vitamin K and most B vitamins including biotin and folate; as well as providing protection to the mucosal lining, and prevention of non-symbiotic or pathogenic organisms from colonizing the intestines.

Benefits of Green Vegetable Consumption

- Contains easily assimilated vitamins and minerals such as; Vitamin C and E, calcium, magnesium and folic acid
- Contains thousands of phytochemicals such as; Beta Carotene, Zeaxanthin, Chlorophyll, and Salvestrols
- Provides essential antioxidant protection throughout the body
- Supports the liver with detoxification
- Improves Cardiovascular health and reduces the risk of heart disease
- Regulates normal cellular growth
- Strengthens the immune system
- Improves eye health
- Normalizes blood sugar levels...

The National Cancer Institute (NCI) encourages Americans to eat 5-9 servings of fruits and vegetables per day. A survey conducted by the National Health and Nutrition Examination committee examined the amount and variety of fruits and vegetables consumed by Americans and found that only 1 in 10 people consumed the recommended servings of fruits and vegetables per day. The average American gets approximately 1.5 servings of fruits and 1.5 servings of vegetables per day. Out of the 1.5 servings of vegetables per day, around 50% of that intake consisted of potatoes and tomatoes. There is a need for Americans to consume greater amounts and different varieties of nutritionally dense colorful vegetables. Certified Organic Green Goods™ provides a convenient pleasant tasting way to get the nutritional benefits of eating organic vegetables in just one scoop a day.

Fruits and vegetables contain a large array of biologically active compounds known



Wheat Grain Free

Certified Good Manufacturing Practices



collectively as phytochemicals. These secondary metabolites are essential for the survival and overall growth of the plant as well as providing many health benefits when consumed by individuals. The fruits and vegetables grown around the world will not only be affected by the environmental conditions in which it is grown but also by the agricultural methods that are employed such as fertilization, pesticides, maturity at harvest and storage conditions. All these various growing conditions compromises the quantity of phytochemicals and micronutrients present in the fruits and vegetables, and can lead to an increase need for proper supplementation or these valuable nutrients. Organic farming does not use any herbicides, pesticides or fungicides, therefore the plant has to produce more phytochemicals to protect itself from environmental factors. Consuming organically grown fruits and vegetables will provide a more abundant amount and greater array of these beneficial phytochemicals in one's diet.

Phytochemicals have been shown to play a major role in the prevention of various diseases, and are critical for certain biochemical processes throughout the body. Scientific Bio-Logics® Organic Green Goods™ uses all organically grown fruits and vegetables that have gone through minimal processing within the hour after harvesting to ensure that the maximum levels of phytochemicals, vitamins, and minerals are present. All the care that goes into sourcing, harvesting, and processing the certified organic ingredients found in Organic Green Goods™ ensures that the antioxidant enzymes, phytochemicals, and micronutrients are abundant to provide the greatest health benefits when consumed. Diets high in antioxidant compounds reduce the damage and mutations caused by oxidative stress on DNA, cells, and tissues throughout the body.

A major class of phytochemicals that are largely abundant in a variety of colorful vegetables and fruits are the carotenoids. There are 600

naturally occurring carotenoids pigments synthesized by plants and algae with the best known being beta-carotene, lutein and zeaxanthin. Several of the carotenoids such as alpha and beta carotene, are pro-vitamin A compounds, meaning that they can be converted into vitamin A, retinol in the body. Vitamin A is necessary for normal growth and development, vision health and immune system functioning. All the carotenoids display important antioxidant properties throughout the body. Carotenoids being fat soluble compounds are essential in the protection against damage to cell membranes, and lipoprotein vesicles caused by lipid peroxidation from free radical molecules. Many carotenoids and their metabolites are found in eye tissues and may play a role in the prevention of age related degenerative eye disorders.

Chlorophyll is the green pigment found in plants, and has almost the identical molecular structure to hemoglobin with the exception of the center atom. In chlorophyll the center atom is magnesium in contrast, iron is the center atom found in the hemoglobin molecules present in red blood cells. Chlorophyll helps support red blood cell formation and improves tissue oxygenation. It also helps to facilitate the removal and deactivation of heavy metals and carcinogenic molecules, and supports detoxification pathways in the body.

Salvestrols are another class of phytonutrients that are only present in organically grown fruits and vegetables. Diseased or abnormally growing cells over express certain enzymes that healthy vibrant cells do not produce. Salvestrol molecules can target these enzymes found in diseased cells, and activate the program cell death mechanisms that are being suppressed by these enzymes. Apoptosis or programmed cell death, is a line of defense that cells use when they recognize that they are diseased, virally

infected or growing abnormally in an effort to protect their neighboring cells, and surrounding tissue from being damaged.

References for the phytochemicals and plant defense:

Brandt K, Molgaard JP. Organic agriculture:- Does it enhance or reduce the nutritional value of plant foods? *J Science and Food Agriculture.* July 2001; 81(9), 924-931.

Bennett R, Wallsgrave R. Secondary metabolites in plant defense mechanisms. *New Phytol* 1994; 127(4), 617-633.

Vegetable Consumption and Disease Rates:

Hung H, Joshipura K, Jiang R, Hu F, Hunter D, Smith-Warner S, Colditz G, Rosnew B, Spiegelman D, Willett W. Fruit and Vegetable Intake and Risk of Major Chronic Disease. *JNCI J Natl Cancer Inst* 2004; 96(21), 1577-1584.

Wang X, Ouyang Y, Liu J, Zhu M, Zhao G, Bao W, Hu F. Fruit and vegetable consumption and mortality from all causes, cardiovascular disease, and cancer: Systematic review and dose-response meta analysis of prospective cohort studies. *BMJ* 2014; 349,4490.

Korkina L.G. Phenylpropanoids as Naturally Occurring Antioxidants: From Plant Defense to Human Health. *Review. Cellular and Molecular Biology* 2007; 53, 15-25.

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



Scientific Bio-Logics, Inc.®
Your integrative health care product source

Essential Red Fruit and Vegetable Blend



Organic Red Goods™

SKU: SBL128

UPC: 640793045972

Contents: Net Wt. 275 g

Servings: 30

Organic Red Goods™ is a nutrient dense concentrated food source. Numerous scientific research studies has found that in addition to vitamins, minerals, and fiber, fruits and vegetables also contain dozens of unique phytochemical compounds substances that enable the body to maintain optimum health and function. The blend of fruits and vegetables in Organic Red Goods™ are certified organic and high in antioxidants. Organic Red Goods™ helps the body to cleanse, rebuild, and maintain healthy blood, organs, and tissue.

Suggested Use:

Once a day, place one scoop in a shaker with 4 ounces of water or vegetable juice and shake until dissolved. Organic Red Goods™ can also be added to smoothies.

Ingredients:

Scientific Bio-Logics® USDA Certified Organic Proprietary Blend: Apple, Tomato, Carrot, Black Currant, Pomegranate, Acerola Extract, Beetroot, Sweet Potato, Strawberry, Red Bell Pepper, Goji Berry, Cranberry, Raspberry, Blueberry, Organic Maqui Berry, Red Cayenne Pepper, Organic Rice Syrup Solids, Sea Kelp Raspberry Flavor, Lo han Berry Extract

Modern American society has created extremely active, on the go individuals who are trying to balance their health with an exceedingly busy work and home environment. People are consuming higher amounts of ready-made processed foods. As a result, many are not able to eat well-balanced, highly nutritious meals throughout the day. The National Cancer Institute (NCI) encourages Americans to eat 5-9 servings of fruits and vegetables per day. A survey conducted by the National Health and Nutrition Examination committee found that only 1 in 10 Americans ate the recommended servings of fruits and vegetables per day. More alarmingly, the largest overall contributor to America's fruit intake was orange juice.

Research has shown that maintaining a healthy lifestyle includes consuming a variety of colorful fruits and vegetables grown on nutrient dense soil. Scientific Bio-Logics's Organic Red Goods™ is an excellent tasting, highly concentrated formula that provides all the exceptional phytochemical benefits from

a variety of nutritious fruits and vegetables in one convenient serving per day.

Benefits of Fruit and Vegetable Consumption

- Contains easily assimilated vitamins and minerals such as Vitamin C and E, magnesium, potassium and folic acid
- Contains thousands of phytochemicals such as Beta Carotene, Quercetin, Resveratrol, and Anthocyanidins
- Provides essential antioxidant protection throughout the body
- Supports metabolic processes
- Supports detoxification and elimination channels in the body
- Improves Cardiovascular health
- Regulates normal cellular growth

Plants contain a large array of biologically active compounds known as phytochemicals. These secondary metabolites are essential for the survival and growth of the plant; they help the plant adapt to the varying environ-

mental conditions that it is exposed to. In fact, the amount of phytochemicals produced by a plant will vary depending on climate, soil content, insect and bacterial abundance, moisture, ultraviolet radiation, and numerous other environmental factors. Not only are fruits and vegetables affected by the environmental conditions in which it is grown, but agricultural methods such as fertilization, pesticides, maturity at harvest, and storage conditions also alter the quantity of phytochemicals and micronutrients present. This can lead to an increased need for proper supplementation to make up for these valuable missing nutrients.

Scientific Bio-Logics® provides a certified organic fruit and red vegetable formula that contains a variety of nutritious berries. Berries contain a relatively high amount of micronutrients including antioxidant vitamins C and E, B vitamins, calcium, potassium, carotenoids and numerous phytochemicals. The number of phytochemicals found in fruits and vegetables are vast; researchers have identified and isolated 8000 different phenolic compounds,



Soy Free



Gluten Free



which are a subclass of phytochemicals produced by plants. Phytochemicals have been shown to play a major role in the prevention of various diseases and may be important in certain critical functions throughout body.

Scientific Bio-Logics® uses all organically grown fruits and vegetables that have gone through minimal processing within the hour after harvesting to ensure that the maximum levels of phytochemicals, vitamins and minerals are present. To protect the product from oxidation and degradation during the manufacturing process, Scientific Bio-Logics® reduces the humidity levels to less than 1 tenth of a percent at room temperature. This ensures that the antioxidant capacity of the phytochemicals are maintained to their fullest potential.

Carotenoids are a major class of phytochemicals largely abundant in a variety of colorful vegetables and fruits. Beta-carotene is one of the best known out of the 600 naturally occurring carotenoids pigments synthesized by plants and algae. Several of the carotenoids, such as alpha and beta-carotene, are pro-vitamin A compounds. This means they can be converted into vitamin A and retinol in the body. Vitamin A is necessary for normal growth and development, vision health, and immune system functioning. All the carotenoids display important antioxidant properties throughout the body. Carotenoids protect against damage to cell membranes and lipoprotein vesicles caused by free radical molecules because they are fat-soluble compounds. Many carotenoids and their metabolites are found in eye tissues and may play a role in the prevention of age related degenerative eye disorders. Lycopene is another well known carotenoid found in the red pigment of tomatoes. Compared to other antioxidants, lycopene is about two orders of magnitude more potent than Vitamin E in its ability to mitigate the effects of singlet oxygen free radicals. Several epidemiological studies found that men with lower serum levels of lycopene had an increased risk of developing abnormal, unregulated prostate tissue growth.

Several subclasses of phytochemicals like stilbenes, flavonoids, proanthocyanidins and anthocyanins also provide extensive antioxidant protection throughout the body. Regular consumption of berries, which contain vitamins C,E, and other antioxidant compounds, have been shown to increase serum antioxidant levels, reduce lipid and LDL oxidation, help regulate the inflammatory response, and expression of inflammatory genes in the body.

Several epidemiological studies have shown that there is a correlation between berry consumption and the reduced risk of an adverse cardiovascular event. Having adequate antioxidant levels in the body are important due to their ability to reduce or deactivate free radical molecules. Free radicals are unstable molecules that cause cellular damage through the process of oxidation, which occurs when an electron is removed from a stable molecule by the free radical. During this process, a new free radical molecule is formed that can continue the chain reaction of cellular destruction, and extend free radical formation. Once this cascade has started, it can eventually result in the complete disruption of a living cell. Free radicals can also damage DNA, which may cause critical mutations in important genes. This creates the opportunity for abnormal cell growth and disease progression. Chronic oxidative stress and cellular damage leads to inflammation, the root cause of many degenerative diseases. Antioxidant molecules sacrifice one of their electrons in order to stabilize and deactivate the free radical, thus preventing further cellular damage.

People are constantly exposed to free radicals from both internal toxins formed from normal metabolic processes and environmental toxins such as air pollution, pesticides, cooking methods, industrial chemicals. The body, when supplied with the proper nutrients, developed amazing mechanisms to combat free radical damage. It manufactures antioxidants

enzymes, like glutathione peroxidase, that can deactivate free radical molecules and stop the chain reaction of cellular damage. The foods we ingest also supply the body with a variety of antioxidants compounds, stemming from vitamins, minerals, flavonoids, anthocyanins and other valuable phytonutrients. It is critical for people to eat several servings of colorful organic fruits and vegetables, teas and spices, and super foods such as maqui and goji berries per day to maintain optimal health. Antioxidants provide the needed defense mechanisms to deactivate free radical molecules, regulate inflammation, improve the aging process, prevent degenerative diseases, and allow the body to perform at its highest potential.

References for the phytochemicals and plant defense:

Brandt K, Molgaard JP. Organic agriculture: Does it enhance or reduce the nutritional value of plant foods? *J Science and Food Agriculture*. July 2001; 81(9), 924-931.

Bennett R, Wallsgrove R. Secondary metabolites in plant defense mechanisms. *New Phytol* 1994; 127(4), 617-633.

Vegetable Consumption and Disease Rates:

Hung H, Joshipura K, Jiang R, Hu F, Hunter D, Smith-Warner S, Colditz G, Rosnew B, Spiegelman D, Willett W. Fruit and Vegetable Intake and Risk of Major Chronic Disease. *JNCI J Natl Cancer Inst* 2004; 96(21), 1577-1584.

Wang X, Ouyang Y, Liu J, Zhu M, Zhao G, Bao W, Hu F. Fruit and vegetable consumption and mortality from all causes, cardiovascular disease, and cancer: Systematic review and dose-response meta analysis of prospective cohort studies. *BMJ* 2014; 349,4490.

Korkina L.G. Phenylpropanoids as Naturally Occurring Antioxidants: From Plant Defense to Human Health. *Review. Cellular and Molecular Biology* 2007; 53, 15-25.

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Organic Fiber Goods™

SKU: SBL130

UPC: 640793046757

Contents: Nt Wt. 450 g

Servings: 30

Scientific Bio Logics Organic Fiber Goods is a synergistic blend of sprouted grains, seeds, inulin and psyllium husk that provides a nutritionally dense dietary supplement which helps increase one's daily fiber intake. This formula contains a harmonious balance of essential fatty acids and fiber that helps improve glycemic response, insulin sensitivity, cholesterol levels, weight management and colon health. Organic Fiber Goods unique formula is the perfect addition to one's smoothies, yogurt, hot/cold cereal or favorite beverage.

Suggested Use:

Once a day, place one scoop in a shaker with 6 ounces of water and shake until dissolved. Organic Fiber Goods™ can also be added to smoothies.

Ingredients:

Organic Flaxseed, Organic Apple, Organic Chia Seed, Organic Agave Inulin, Organic Psyllium Husk, Organic Fennel Seed, Organic Millet Sprout, Organic Quinoa Sprout, Organic Pumpkin Sprout, Organic Amaranth Sprout, Organic Spelt Sprout.

Other Ingredients:

Acacia Gum, Guar Gum and Xanthan Gum, Lo han berry extract

Benefits of Organic Fiber Goods:

- Great source of Omega 3, 6, and 9 essential fatty acids
- Ten grams of fiber per serving
- Supports growth of beneficial bacteria in the intestines
- Promotes regularity
- Improves Cardiovascular Health
- Helps to improve blood sugar levels
- Enhances elimination of toxin
- 100% Certified Organic ingredients

The American Heart Association recommends women to consume a minimum of 25 grams of fiber per day while men should ingest around 38 grams per day. Unfortunately only 5% of the American population consumes the minimum fiber intake that is recommended. Studies have shown that individuals who have a greater intake of fiber in their diet have a reduced risk

of adverse cardiovascular events. One study examined the relationship between dietary fiber intake and mortality among survivors of myocardial infarctions. Those individuals who had a greater intake of fiber post myocardial infarction had a decreased rate of mortality. In fact multiple epidemiological studies have shown that there is an inverse correlation between the intake of dietary fiber rich foods and the risk of developing cardiovascular disease, metabolic disorders and certain types of cancers. Adequate fiber consumption is essential for proper elimination of waste, and the reduced reabsorption of toxins and cholesterol from the intestines.

Dietary fiber is the indigestible roughage portion or the non-starch polysaccharide molecules of plant food that is commonly found in fruits, vegetables, whole grains, beans

and seeds. Fiber is not broken down by our bodies and passes relatively intact through our digestive tract. The common classifications for fiber includes soluble and insoluble fiber which most plant foods contain both in various amounts. Soluble fiber absorbs fluids and bulks up stool while insoluble fiber does not dissolve in water and promotes the movement of material through the intestines by increasing peristalsis action. A healthy diet should include ample amounts of both soluble and insoluble fiber, which are essential for increasing bulk, softening stool, and shortening transit time of waste material through the intestines. The longer it takes for waste materials to be eliminated from the intestines, the greater the chance that toxins and cholesterol from bile acids secretions will be re-absorbed into the body from the digestive tract. Decreased transit time of materials through the intestines is



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Gluten Free



NON
GMO



Certified Good
Manufacturing Practices



MADE IN THE USA



extremely important for lowering the toxin burden on the body and reducing immunologic reactions, inflammatory conditions and oxidative stress on the liver.

Although our bodies cannot break down fiber, it is utilized by billions of beneficial bacteria that reside within our intestinal tract. The bacteria in our gut ferment the fibrous compounds that we consume into short fatty acid chains such as butyrate, propionate and acetate. These short fatty acid chains are used as an energy source for colonic epithelial cells and play a vital role in maintaining colonic health. Butyrate is used extensively by the colonic epithelial cells to help maintain the integrity of the mucosal barrier, reduce oxidative damage and help modulate inflammation and carcinogenesis within the intestines. Increasing one's intake of soluble fiber not only helps feed the beneficial bacteria in the intestines, it also provides an environment that allows these organisms to increase in population. This out-competes the less beneficial and harmful microorganism that may also reside in the intestines. Therefore, an increase in dietary fiber leads to more beneficial fermenting bacteria that will enhance the levels of butyrate and provide greater protection to the colonic cells.

Organic Fiber Goods also provides an excellent source of vitamins, minerals, and essential fatty acids to go along with its insoluble and soluble fiber blend. The addition of sprouted grains and seeds provide more easily assimilated vitamins and minerals. Sprouting allows the grain to germinate for a short while, which makes the micro nutrients more bioavailable by reducing the phytic acid content in these foods. Legumes, grains, nuts and seeds contain various levels of phytic acid, which bind to minerals and reduces their absorption into the

body. Getting adequate amounts of highly bioavailable micronutrients is part of healthy diet. These micronutrients help support enzymatic activity, normal cellular growth, immune response, energy production, antioxidant protection, bone health, detoxification and numerous other physiological processes. Flax and Chia Seeds contain an array of vitamin and minerals to go along with their amino acid, essential fatty acid and fiber profile. These seeds are an outstanding source of Omega 3,6, and 9 essential fatty acids. The human body cannot synthesize the essential fatty acids-- Omega 3 and 6, therefore, they must be obtained from one's diet. Fatty acids play a vital role in cell membrane integrity, neurological health, cognitive performance, inflammation regulation, as well as cardiovascular and colonic health.

Today's typical diet is riddled with highly processed foods that are devoid of easily assimilated micronutrients, unoxidized essentials fatty acids and adequate amounts of soluble and insoluble fiber. Organic Fiber Goods is an easy and convenient way for one to add valuable health promoting nutrients into their diet. Just one serving per day will provide people with almost a quarter of their recommended daily dietary fiber needs along with an excellent source of Omega 3 and 6 essential fatty acids, vitamins and minerals.

References:

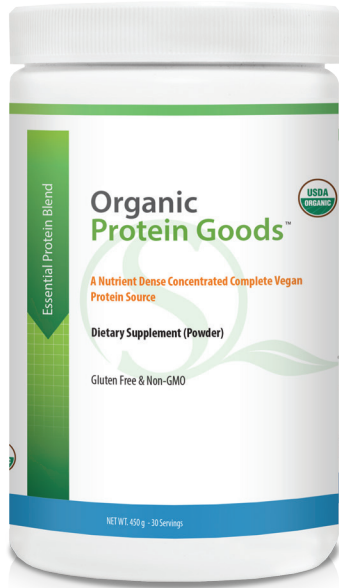
Threapleton DE, Greenwood DC, Evans CE, Cleghorn CL, Nykjaer C, Woodhead C, Cade JE, Gale CP, Burley VJ. Dietary fibre intake and risk of cardiovascular disease: systematic review and meta-analysis. *BJM* 2013 Dec 19; 347:f6879.

Pietinen P1, Rimm EB, Korhonen P, Hartman AM, Willett WC, Albanes D, Virtamo J. Intake of dietary fiber and risk of coronary heart disease in a cohort of Finnish men. The Alpha-Tocopherol, Beta-Carotene Cancer Prevention Study. *Circulation* 1996 Dec 1;94(11):2720-7.

Wong JM, de Souza R, Kendall CW, Emam A, Jenkins DJ. Colonic health: fermentation and short chain fatty acids. *J Clin Gastroenterol* 2006 Mar;40(3):235-43.

Hooda S, Boler B, Seroo M, Brulc J, Staeger MA, Boileau TW, Dowd SE, Fahey GC, Swanson KS. 454 Pyrosequencing Reveals a Shift in Fecal Microbiota of Healthy Adult Men Consuming Polydextrose or Soluble Corn Fiber. *Journal of Nutrition*, 2012; 142 (7): 1259.

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Organic Protein Goods™

SKU: SBL136

UPC: 640793046719

Contents: Net Wt. 450 g

Servings: 30

Scientific Bio Logics[®] Organic Protein Goods™ is an excellent source of vegetarian rice, pea and hemp protein combined with a comprehensive blend of greens, sprouted seeds, and adaptogenic herbs that provide a nutritionally balanced meal replacement. This great tasting vanilla flavored powder aids with muscle recovery, detoxifies the body, and is excellent for supporting energy production.

Suggested Use:

Add one scoop (15 g) to your smoothie or 8 ounces of water in a shaker bottle and shake until blended.

Store tightly capped in a cool, dry place.

USDA Certified Organic Ingredients:

Pea Protein, Rice Protein, Hemp Protein, Sacha Inchi Powder, Ground Chia Seed, Quinoa Flour (Kosher), Arabic Gum Powder (Kosher), Guar Gum (Kosher)

Other Ingredients:

Natural Vanilla Flavor, Stevia Extract, Lo Han Berry Extract

USDA Organic Protein Goods™ provides the following benefits:

- Allergen free complete protein derived from rice, pea and hemp
- Soy free, Dairy free and Gluten free
- Non GMO
- Excellent source of BCAAs (branch chain amino acids)
- High L-Arginine content
- Cholesterol free
- Contains essential fatty acids such as Omega 3, Omega 6 and GLA
- Excellent source of vitamins, minerals and fiber
- 100% Certified Organic NON GMO Ingredients
- Contains an array of Phytonutrients, Carotenoids and Chlorophyll
- Sugar Free
- Sweetened with organic Stevia Extract and Lo Han
- Great for low glyceemic diets

Protein is a critical macronutrient that should be consumed regularly as part of a healthy diet. There are protein molecules in every cell, tissue and organ present in our bodies. They function as structural molecules for tissues such as collagen, hair, skin, muscles and make up the critical components of the immune system. They also act as enzymes, provide energy, and are the building blocks of some hormones, neurotransmitters and red blood cells.

Amino Acids are the building blocks of proteins. The human body can synthesize most amino acids necessary to build proteins except for the ten essential amino acids. It is important that one's diet has adequate amounts of these essential amino acids. Organic Protein Goods™

provides an easily digestible vegetarian source of cholesterol-free protein derived from rice, pea, hemp that contains all ten essential amino acids.

Isoleucine, Leucine and Valine are three amino acids commonly referred to as Branch Chain Amino Acids or BCAAs. These 3 amino acids make up 40% of the daily requirement of the ten essential amino acids that must be obtained from one's diet. BCAAs are primary used and broken down for energy in the muscles during physical exertion. BCAAs comprise around 35% of the amino acid composition of muscle tissue. The greater the abundance of BCAAs present in the body, the slower the breakdown will be of muscle fibers. This prevents muscle loss. These amino acids



Soy Free



Gluten Free



Certified Good Manufacturing Practices



can stimulate protein synthesis and inhibit muscle breakdown, which is essential for fast recovery after exercise. The unique combination of ingredients found in Organic Protein Goods™ offers an excellent source of protein that contains a significant amount of these BCAAs.

Scientific Bio Logics® Organic Protein Goods™ also contains a high L-Arginine content. L-Arginine is helpful for healthy blood flow because it supports vasodilation mechanisms in the body. Vascular endothelial cells produce nitric oxide (NO) from the precursor molecule L-Arginine. The release of NO from the vascular endothelial cells results in the relaxation of vascular tissue and the proper dilation of blood vessels. Organic Protein Goods™ also contains an excellent source of vitamins and minerals. It also provides a source of organic nitrates. Dietary nitrate consumption derived from vegetables can be reduced or converted to nitric oxide (NO) in the body. Optimal NO levels in the body assist with vasodilation and regulates blood pressure, which is highly beneficial for the cardiovascular system. Improving NO production also increases blood flow and oxygen utilization in the muscles, providing elevated endurance levels.

Organic Protein Goods™ does not just provide protein; it is also an excellent source of phytonutrients and essential fatty acids. The addition of sprouted seeds and beans provides a greater array of easily assimilated vitamins

and minerals. Sprouting allows the seed to germinate for a short while, making the micro nutrients more bioavailable by reducing the phytic acid content in these foods. Legumes, grains, nuts and seeds contain various levels of phytic acid which binds to minerals and reduces their absorption into the body.

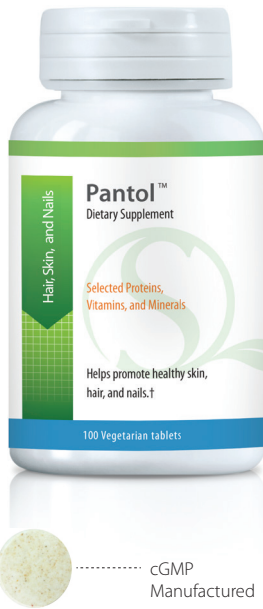
Getting adequate amounts of highly bioavailable micronutrients is part of healthy diet. These micronutrients help support enzymatic activity, normal cellular growth, immune response, energy production, antioxidant protection, bone health, detoxification and numerous other physiological processes. Hemp Seeds, Chia Seeds and Sacha Inchi powder contain an array of vitamin and minerals to go along with their amino acid and essential fatty acid profile. These seeds are an outstanding source of Omega 3,6,9 and GLA essential fatty acids. The human body cannot synthesize the essential fatty acids Omega 3 and 6 and therefore they must be obtained from one's diet. Fatty acids play a vital role in cell membrane integrity, neurological health, cognitive performance, inflammation regulation, as well as cardiovascular and vision health.

Adaptogenic herbs help regulate the body's response to environmental stressors. Our ability to respond quickly to stressful or dangerous situations is part of the body's

fight or flight response. Unfortunately, modern day stressors on the body can come from a variety of places such as work, difficult home environment, intense exercises, inability to sleep, and school. Prolonged stress can weaken the body's defense, create inflammation, disrupt hormone balance, cause weight gain and increase feelings of fatigue. In order to support the body's ability to adapt to various levels of stress one should consume a healthy diet that includes high amount amounts of vitamins, minerals, antioxidant phytonutrients and adaptogenic herbs.

Scientific Bio Logics® Organic Protein Goods™ is designed to provide a comprehensive, great tasting, nutritionally dense protein powder made from all organic ingredients that will provide sustained energy and nourishment throughout the day.

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



Pantol™

SKU: SBL115

UPC: 794504210316

Contents: 120 Tablets

Pantol is a Swedish USP grade formula that includes vitamins, minerals, amino acids and seaweed that promote healthy functioning hair, skin and nails. It consists of specially-balanced, easily absorbed nutrients that support the integrity of the structural proteins that comprise the hair, skin and nails.

Indications: Supports growth and structural integrity for the hair, skin and nails. Helps alleviate such problems as brittle or thinning hair, splitting and fragile nail growth, as well as dry skin.

Suggested Usage: 2 tablets twice daily after meals. Pantol™ may take up to 3 months to reach maximum results.

Supplement Facts

Serving Size 2 Tablets

Servings Per Container 50

Amount Per Serving	% Daily Value	
Niacin	20mg	100%
Folic Acid	45mcg	11%
Biotin	38mcg	13%
Pantothenic Acid (from Calcium Pantothenate)	38mcg	1%
Calcium (from Calcium Carbonate)	125mg	13%
Iron (from Iron Citrate)	4mg	27%
Scientific Biologics Proprietary Blend	30mg	*
Kelp, Inositol, PABA (Para-Amino Benzoic Acid)		
L-Methionine	112mg	*
L-Lysine	26mg	*

*Daily Value (DV) not established

Other Ingredients: Cellulose, stearic acid, cellulose gum, magnesium stearate, aqueous coating

Pantol* is a Swedish Medical derived pharmaceutical grade formula that includes vitamins, minerals, amino acids and seaweed that promotes healthy functioning hair, skin and nails. Pantol has been used for over 15 years and showed significant results within the first 4 to 6 weeks of use. This formula was invented by a Swedish Medical nutritionist who studied hair growth problems for over 10 years. It consists of specially-balanced and easily absorbed nutrients that support the integrity of the structural proteins that comprise the hair, skin and nails.

Has been shown to improve:

- Problems with hair loss
- Problems with brittle hair
- Problems with no shine
- Problems with brittle nails
- Problems with splitting nails
- Problems with dry skin

Recommended Dosage: 2 tablets twice daily after meals. Pantol may take up to 3 months to reach maximum results or can be taken as

needed for shorter periods of time.

Hair: A filamentous protein structure consisting of a follicle and a shaft, which is made of keratin. There are three stages of hair development: 1) Anagen, the active growing stages of hair development; 2) Catagen, a short interlude between the growth and resting phase; and 3) Telogen, the resting, or club stage before shedding. Scalp hair grows at an average rate of 1 mm every 3 days, body and eyebrow hair at a much slower rate.

Nails: The fingernails protect the nerve-rich fingertips from injury as well as enhance touch sensation to that area. Nails are composed of protein called keratin, which consist of several sulfur containing amino acids. The nail is divided up into 6 different structures, one of which called the nail bed, that contains blood vessels and nerves, and is responsible for making the growing nail structure thicker. Nails grow from .05 to 1.2 millimeters a week.

Structural changes or abnormalities in the nails are often signs of nutritional deficiencies or the results of specific conditions.

Skin: The skin is the body's largest organ and has a multitude of functions including protection from foreign invaders, thermal regulation, sensory input, and Vitamin D production. It consists of three layers called the epidermis (outer layer), the dermis (middle layer), and the subcutaneous layer (inner layer). Because the skin acts as a barrier between the body and the millions of foreign substances that exist in the outside environment, it often reacts with acne, rashes, bumps, scales, redness, and other skin problems. Skin irritations are characterized by scaling, flaking, thickening, itching, cracking, color changing and dryness. The skin therefore plays a major role in detoxification through the excretion of toxins and waste materials in sweat.

Methionine: L-Methionine is an amino acid that our body is unable to synthesize, and must be obtained from food sources or dietary



supplementation. It is one of two sulfur containing amino acids and is an intermediate in the synthesis of cysteine, carnitine, taurine, phosphatidylcholine and various other phospholipids. It assists in the breakdown of fats and the prevention of excess lipid accumulation in the liver and arteries, which could obstruct blood flow to the brain, heart, and kidneys. This amino acid also supports the immune system; it interacts with other nutritional cofactors to deactivate harmful molecules like homocysteine, aids in the prevention of muscle weakness, helps to prevent brittle hair, and is beneficial in the regulation of allergenic chemical sensitivities.

Lysine: Is an essential amino acid that can not be manufactured by the body and must be obtained from food sources or dietary supplementation. Lysine plays an important role in the production of carnitine, reabsorption of calcium, formation of collagen, and is a critical building block for many other proteins in the body.

Iron: Low serum iron and or iron deficiency occasionally may be associated with inadequate hair growth and brittle nails. Actively growing tissues require high amounts of oxygen to be delivered in order to maintain their high metabolic activity. Some individuals may not consume enough iron in their diets or have other nutritional imbalances that lead to improper utilization of iron and anemic-like symptoms. Women who are also menstruating, pregnant, or nursing may develop iron deficiencies.

Niacin or Nicotinic Acid: Commonly known as Vitamin B3, is an essential cofactor for enzymes that are involved in the catabolism of carbohydrates, fats and proteins for energy production. Niacin as well as all the B vitamins are needed for healthy skin, hair, eyes, and liver health. It also helps improve circulation and assist with proper nervous system functioning.

Biotin: Is also classified as a B vitamin and is a critical cofactor for several metabolic enzymes. These enzymes are involved in synthesis of fatty acids, metabolism of lipids and proteins for energy production, and regulation of histones

that are involved in DNA packaging, unwinding, and gene transcription. Biotin also helps with protein synthesis which is vital for hair, skin and nail growth. Biotin can be used to treat frail, splitting or thinning fingernails, and to improve hair condition in cases where there is a deficiency.

Calcium Pantothenate: Commonly known as Vitamin B5 is a component of coenzyme A, which is an essential coenzyme found in a several critical reactions in the body. Coenzyme A is involved in the conversion of energy from carbohydrates, fats and proteins, as well as in the production of cholesterol, hormones, neurotransmitters and hemoglobin. Pantothenic acid and biotin are essential for growth because they assist the body with the metabolism of macromolecules from the food that is consumed.

Folic Acid: Is a member of the B vitamin family and is necessary for DNA & RNA synthesis, which is essential for the growth and reproduction of all cells in the body. Folic acid, together with B12 and iron, help with red blood cell production. It is also involved with the production of the amino acid methionine and the metabolism of homocysteine, which is important in reducing the risk factors associated with cardiovascular disease.

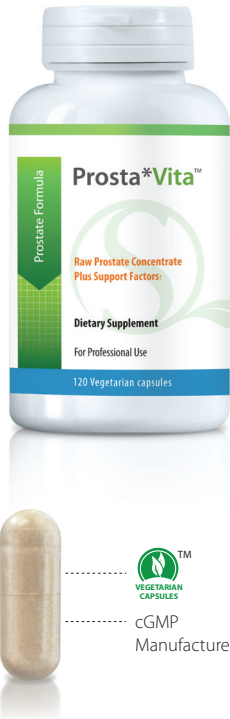
Kelp: Is a brown seaweed and an excellent source of minerals such as calcium, iodine, magnesium, sulfur, potassium and numerous other trace minerals. The highly absorbable vitamin and mineral content present in kelp makes it an excellent source of nutrition for the body. It helps promote healthy shiny hair, longer stronger nails and improvement of overall skin complexion.

Inositol: Is a critical component in the formation of phospholipids, which are used as structural components in cell membranes. It is also a vital building block for intracellular messenger molecules.

P-aminobenzoic Acid: Aids healthy bacteria in the intestine in the synthesis of folic acid, which in turn can assist with the formation of red blood cells. Contains properties that help prevent damage from UV radiation.

Note: Taking higher milligrams or an imbalanced amount of these ingredients will not speed up the results of this formula. It may actually slow the results. Hormone imbalances can quite often affect the thyroid which can cause dry brittle hair or increased hair loss. Pantol has been shown to balance thyroid problems.

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



Prosta*Vita™

SKU: SBL114

UPC: 736211569240

Contents: 120 Vegetarian Capsules

Vegetarian Capsules Prosta Vita is a multi faceted formula designed to support the prostate gland and help restore function of the urinary tract system. The walnut-sized prostate gland is part of the male reproductive system, is located just below the bladder surrounding the urethra. It is common for the prostate gland to become enlarged as a man grows older, resulting in a condition called benign prostatic hyperplasia or BPH.

Indications: Ingredients found in Prosta*Vita have been shown to help improve symptoms associated with BPH which includes bladder irritation, frequent urination, inflammation and abnormal cell growth.

Suggested Use: Two capsules twice daily, or more, as directed by a doctor.

Prosta*Vita™ is a multi faceted formula design to support the prostate gland and help restore function to the urinary tract system. The walnut-sized prostate gland is part of the male reproductive system, located just below the bladder and surrounds the urethra. It is common for the prostate gland to become enlarged as a man grows older, resulting in a condition called benign prostatic hyperplasia or BPH. Around the age of 40 symptoms may start occurring due to the enlarged prostate including more frequent urination, a hesitant interrupted weak stream and possible recurrent urinary tract infections. As the prostate gland enlarges, it presses against the bladder wall. This causes the tissue to get irritated, leading to only partial emptying of the bladder and thus more frequent urination. There may also be a narrowing of the urethra caused by the enlarged prostate, which will further

inhibit normal urination. BPH may occur because of higher amounts of hormones or hormone-like metabolites such as estrogen and dihydrotestosterone (DHT) which encourages the growth of cells. Prosta*Vita™ sources the highest quality herbal extracts that may help address the symptoms associated with an enlarged prostate.

Saw Palmetto Extract Inhibits DHT:

Saw Palmetto (*Serenoa repens*), has long been used by herbalists for bladder and urinary problems. It has also been used as an aphrodisiac due to its ability to maintain testosterone levels. The active ingredients have been isolated from the liposterolic, or fatty acid extracts, of the Saw Palmetto berries. Recent studies have demonstrated the ability of this extract to inhibit the enzyme responsi-

Supplement Facts

Serving Size: 2 Capsules
Servings Per Container: 60

Amount Per Serving	% DV
Zinc (Citrate)	5 mg 33%
Selenium (Amino Acid Chelate)	70 mcg 100%
Saw Palmetto Fruit Ext 45% Free Fatty Acids	450 mg *
Phytopin® (Phytosterol Extract)	220 mg *
70% Beta Sitosterol	154 mg *
Stinging Nettles Root Extract (<i>Urtica dioica</i>)	188 mg *
Prostate Concentrate (from Porcine)	120 mg *
African Pygeum Bark Extract	50 mg *
Pumpkin Seed Powder	38 mg *
Medium Chain Triglycerides (Sodium Caprylate)	15 mg *
Uva ursi Leaf Extract (20% Arbutin)	15 mg *
Swedish Pollen Extract (From Cernitin™ 63)	8 mg *

*Daily Value (DV) not established.

Other Ingredients: Rice powder, silica, vegetable magnesium stearate.

Phytopin® is a registered trademark of Orcas International, Inc.
Cernitin™ is a trademark of Graminex®.

ble for production of DHT and therefore, may effectively reduce problems associated with benign prostatic hyperplasia (BPH).

Beta-sitosterol, African Pygeum Bark and Swedish Pollen Extract exhibit Phytosterol properties:

Certain forms of estrogen, along with testosterone and DHT can bind to androgen receptors on the prostate and activate cell growth. Inadequate levels of some of these hormones may promote too much cell growth and lead to an enlarged prostate or to unregulated proliferating cell growth within the tissue. Beta-sitosterol along with the compounds found in the African Pygeum Bark and Swedish Pollen Extract also display androgen receptor binding affinity but will not cause stimulation of cell growth. These ingredients will competitively inhibit binding of their



hormone counterparts to the androgen receptors and help restore normal cell growth in the prostate. Studies have also shown that these ingredients may help relax urethral smooth muscle tone and increase bladder muscle contraction, which will lead to un-interrupted urine flow.

Stinging Nettle and Uva Ursi Extract promote urination:

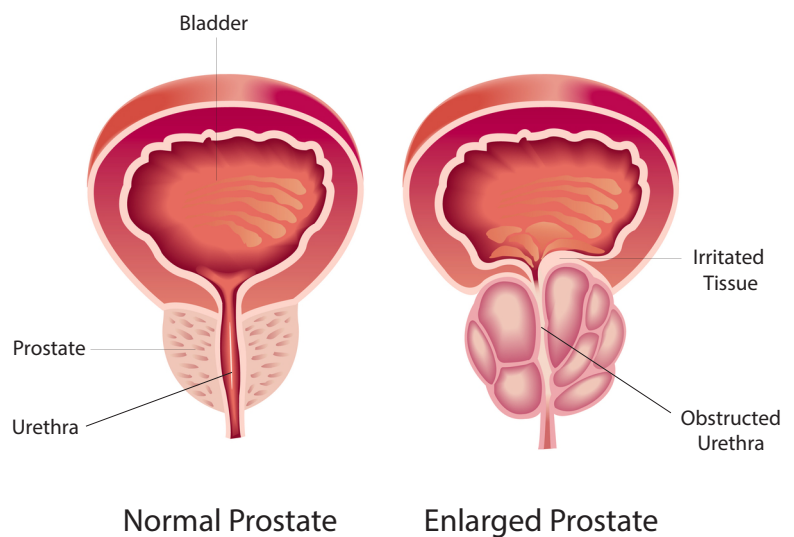
Stinging Nettle and Uva Ursi Extract can help promote normal urination and prevent urinary tract infections by ridding the bladder of excess urine. Studies have shown that Stinging Nettle can improve urinary flow rate and decrease postvoid residual urine volume which are some of the major symptoms associated with BPH.

Selenium Prosta*Vita™ formula has recently been improved by adding Selenium (Amino Acid Chelate). In Clinical Studies, Se (selenium) treated cells exhibited increased oxidative DNA repair activity. This mechanism can be attributed to the production of Selenoproteins, which are selenium dependent enzymes in the body. Most notable selenoproteins are Glutathione peroxidase and Thioredoxin reductase, which act as intracellular and extracellular antioxidant enzymes that reduce potentially damaging compounds in the body. The benefits of selenium and selenoproteins include the combination of antioxidant activity, the reduction in DNA damage, the enhancement of oxidative DNA repair capacity, and the regeneration of several antioxidant compounds including vitamin C. These properties help to restore and maintain normal cell growth.

Zinc:

Zinc is one of the most abundant essential trace minerals present in the body with major reservoirs found in tissues that reside in the mammary gland, pancreas, and prostate. Zinc has an array of functions in the body ranging from enzymatic activity, structural integrity of proteins, and regulation of gene transcription. In fact, almost 100 different enzymes need zinc present to perform their catalytic functions in the body. Healthy prostate glands contain approximately three times more zinc compared to other tissues in the body in order to help manufacture and release prostatic fluid, to provide microbial protection and to reduce the oxidation of molecules used in certain enzymatic processes of the mitochondria.

Illustration of Normal and Benign Prostatic Hyperplasia



Normal Prostate

Enlarged Prostate

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Resveratrol™

SKU: SBL117
UPC: 794504210118
Contents: 90 Capsules

Scientific Bio-Logics® Resveratrol offers two of nature's most powerful antioxidants, Resveratrol and Quercetin, combined with the absorption enhancing compound from black pepper extract called Piperine. Studies have shown that piperine improves the bioavailability of resveratrol in the body.

Indications: Helps reduce oxidative damage, modulates the inflammatory process and accelerates the rate of tissue repair.

Suggested Use: One tablet daily or as directed by your healthcare professional.

Supplement Facts

Serving Size: 1 Capsule
Servings Per Container: 60

Amount Per Serving	% DV
Resveratrol (Polygonum Cuspidatum from extract supplying 40mg transResveratrol)	200mg *
Quercetin	300mg *
Piperine	2 mg *

*Daily Value (DV) not established

Other Ingredients: Gelatin, Magnesium Stearate, Rice Powder

What is Resveratrol?

Scientific Bio-Logics® Resveratrol™ offers two of nature's most powerful antioxidants: Resveratrol and Quercetin, combined with the absorption enhancing compound from black pepper extract called Piperine. Studies have shown that piperine improves the bioavailability of resveratrol in the body.

Plants are exposed to environmental stresses such as: ultraviolet radiation, infections from microorganisms, climate, and physical injury similar to other animals on the planet. In response to such stresses, plants produce an array of secondary compounds such as polyphenols, flavonoids and alkaloids to prevent these stresses from causing permanent harm to the plant. When these compounds produced by plants are consumed by humans they can elicit powerful antioxidant, immune modulating, and anti-microbial effects on the body. Humans are constantly being bombarded with highly reactive free radical molecules

that can cause damage to cells in the body. Therefore, a diet high in nutrients that have antioxidant properties will provide enhanced protection against such molecules.

Resveratrol is a polyphenol compound that is found in red wine, grapes, peanuts, blueberries, and a variety of other plants. Researchers grew interested in this compound when it was found to be present in red wine. It was observed that people in France have a 20-30% lower rate of coronary heart disease compared to other countries but consume a high amount of saturated fats and have a high percentage of their population who smoke cigarettes. This phenomenon was later coined as the "French Paradox". Coronary heart disease is triggered by oxidation of lipids and cholesterol that eventually get lodged under the epithelial cells of blood vessels and arteries. This will ultimately create an inflammatory response that could lead to rupturing of the arterial wall and subsequent blood clot formation to close up the rupture. Blood

clots around the arterial wall may cause narrowing or complete blockage of the blood vessel which can drastically impede blood flow to vital organs such as the heart. In-vitro and animal model studies have demonstrated resveratrol's wide range of therapeutic benefits for the cardiovascular system including regulation of inflammatory enzymes, antioxidant activity, and promotion of vasodilation.

Quercetin is a flavonoid like molecule that is also produced in red wine, as well as apples, cherries, green tea, several types of berries, and a variety of medicinal plants. Quercetin is well known for its ability to regulate the inflammatory response in the body and for its potent antioxidant properties. Scientific Bio-Logics' Resveratrol has combined these two powerful ingredients in order to enhance their synergistic effects on the body. Preliminary studies have shown that the combination of resveratrol with quercetin enhances their anti-carcinogenic potential.

Oral administration of resveratrol has been



shown to be highly absorbed into the blood stream after ingestion but unfortunately has very low bioavailability because it is rapidly metabolized to its resveratrol metabolite form by a process called glucuronidation. These resveratrol metabolites have a very short life span and are rapidly excreted from the body. To enhance the bioavailability of resveratrol, Scientific Bio-Logics has added Piperine to their formula. Animal model study demonstrated that oral administration of resveratrol along with Piperine was able to extend the bioavailability of resveratrol by over 200% which was attributed to the reduced rate of glucuronidation. [1.]

Researchers have been interested in finding the mechanism behind the French Paradox since rates of Cardiovascular and Metabolic diseases, such as Type II Diabetes, are heavily increasing within industrialized countries. The French consume a large amount of Red Wine that contains the polyphenol compound Resveratrol, which seems to lower their incidence of cardiovascular disease despite having diets that are high in saturated fats.

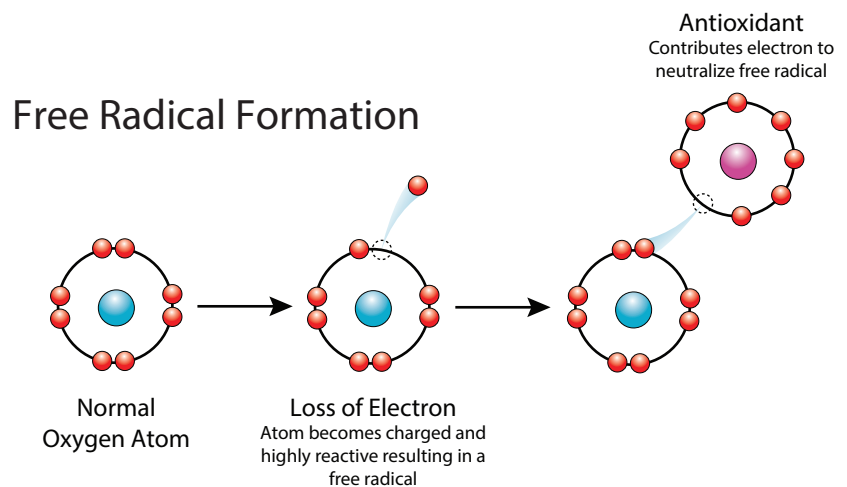
Animal model studies show that resveratrol has an effect on a family of enzymes called Sirtuins (Sir2). These enzymes, also known as NAD+ dependent deacetylases, are involved in the regulation of glucose and fat metabolism, insulin production, and cell proliferation and survival. It has been known for quite some time that consuming a restricted caloric diet can decrease the progression of age related cardiovascular and metabolic diseases as well as help promote normal cell growth. Both a caloric restricted diet and frequent consumption of Resveratrol polyphenols from red wine seem to elicit similar physiological responses that are regulated by the activity of the Sirtuin enzymes.

One such study demonstrated the effects of Resveratrol consumption on mice that were fed a high caloric diet verses mice that were either fed a normal diet or a high caloric diet that did not include Resveratrol [2]. Findings demonstrated that mice fed a high caloric diet that included Resveratrol had increased rates of survival, improved glucose and insulin

sensitivity, and decreased development of fatty liver syndrome compared to mice fed a high caloric diet without Resveratrol [2]. Although more studies need to be done on resveratrol and the various mechanisms in which it can affect enzyme activity in the body these preliminary studies suggest evidence that Resveratrol can positively affect physiological processes that improve overall health and may reduce the progression of metabolic diseases.

References

1. Johnson JJ, Nihal M, Siddiqui IA, Scarlett CO, Bailey HH, Mukhtar H, Ahmad N. Enhancing the bioavailability of Resveratrol by combining it with Piperine. *Mol Nutr Food Res.* 2011 Aug; 55(8):1169-76. doi: 10.1002/mnfr.201100117.
2. Baur JA, Pearson KJ, Price NL, Jamieson HA, Lerin C, Kalra A, Prabhu VV, Allard JS, Lopez-Lluch G, Lewis K, Pistell PJ, Poosala S, Becker KG, Boss O, Gwinn D, Wang M, Ramaswamy S, Fishbein KW, Spencer RG, Lakatta EG, Le Couteur D, Shaw RJ, Navas P, Puigserver P, Ingram DK, de Cabo R, Sinclair DA. Resveratrol improves health and survival of mice on a high-calorie diet. *Nature.* 2006 Nov 16;444(7117):337-42.



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Super*Flex™ Advanced

SKU: SBL112 (90 Capsules), SBL113 (180 Capsules)

UPC: 736211569042 (90 Capsules)

UPC: 736211485380 (180 Capsules)

Contents: 90 - 180 Vegetarian Capsules

Super*Flex™ Advanced offers Glucosamine Hydrochloride and Chondroitin Sulfate in combination with inflammatory regulating herbs such as Turmeric and Bromelain. Glucosamine is a natural compound found in healthy cartilage and is essential for rebuilding soft tissue by enhancing the body's ability to manufacture collagen, proteoglycans, and synovial fluid in the joint area.

Indications: Provides vital nutrients to support connective tissue and cartilage regeneration and helps to balance the inflammatory response.

Suggested Use: Two capsules in the morning and one capsule in the evening for the first 60 days, or as otherwise directed by your healthcare professional.

(SBL113: 180 Tablets)

Supplement Facts

Serving Size: 3 Capsule
Serving Per Container: 60

Amount Per Serving	% DV
Manganese (from Manganese Citrate) 15mg	750%
Glucosamine HCl 99% (from Corn) 1,500mg	*
Chondroitin Sulfate Complex 1,200mg	*
SuperFlex Proprietary Blend 300mg	*
Curcumin C3 Complex® (Turmeric Root Extract Curcuminoids 95%), Bromelain, Boswellia serrata Extract	

*Daily Value (DV) not established

Other Ingredients: Vegetable (Hydroxy Propylmethyl cellulose) Capsule, Rice Powder, Magnesium Stearate

Curcumin C3 Complex is a registered trademark of Sabinsa Corporation.

Why Super*Flex™ Advanced?

Scientific Bio-Logics® Super*Flex™ is a comprehensive formula designed to help with cartilage regeneration and regulation of the inflammatory process in the body. Deficiency in glucosamine and or chondroitin can lead to various joint disorders characterized by increased cartilage degeneration, decreased mobility and increased pain and swelling in the affected area.

Osteoarthritis or degenerative joint disease affects over 30 million Americans with the highest prevalence found in people over the age of 50. Conventional therapy for osteoarthritis has consisted primarily of providing pain relief through the use of aspirin and more recently non-steroidal anti-inflammatory drugs (NSAIDs). This type of drug therapy provides effective short term relief but long term use of these drugs can cause increased toxicity which may lead to serious stomach, liver and kidney damage.

Articular cartilage is found between all joints in the body and functions as a wear resistant tissue to reduce friction between the bones that are performing the movement around that particular joint area. This type of cartilage is composed of water, type II collagen, proteoglycans and chondrocytes, which are the cells that actively build and repair cartilage. Proteoglycans are large protein molecules that have carbohydrates, such as glucosamine and chondroitin sulfate, attached to them which help maintain the permeability and build the gelatinous layers found within the cartilage. These proteins also link to hyaluronic acid and provide the essential building blocks for the synovial fluid that surrounds the articular cartilage. Synovial fluid is vital for the reduction of friction, absorption of shock, transfer of nutrients to chondrocytes and the removal of waste materials from the cartilage area. As we age chondrocytes no longer reproduce and their activity becomes diminished which leads to a decrease in functional proteoglycans and potential cartilage degradation. The

breakdown of cartilage that creates osteoarthritis like symptoms is influenced by numerous factors that include mechanical load, hydrostatic pressure, integrity of the synovial fluid, prolonged injuries, and chronic inflammation that increases catabolic activity.

Super*Flex™ Advanced provides Glucosamine Hydrochloride (HCL) and Chondroitin Sulfate in combination with herbal extracts, such as Curcumin and Boswellia, that help regulate the inflammatory process in the body. Glucosamine is a natural compound found in healthy cartilage and is used by the body to produce glycosaminoglycans (GAGs otherwise known as proteoglycans that contain certain sugars bound to them) in the extracellular matrix along with helping to produce synovial fluid that surrounds the joint area. Some studies suggest glucosamine supplementation may be as effective at pain relief as standard NSAIDs(non-steroidal anti-inflammatory drugs).

Chondroitin Sulfate is a major component of the extracellular matrix, important in maintain-



ing the structural integrity of tissue. It is the major glycosaminoglycan (GAG) present in cartilage and works to keep the cartilage healthy by absorbing water. Studies show that chondroitin sulfate supplementation may decrease osteoarthritis like symptoms and possibly slow progression of the disease.

Super*Flex™ Advanced combines chondroprotective agents with three synergistic anti-inflammatory ingredients; Curcumin C3 Complex, bromelain and boswellia. Curcumin C3 Complex, derived from turmeric root extract, decreases certain inflammatory markers in the body and provides protection against oxidative stress. Bromelain is a proteolytic enzyme, extracted from pineapple, which may help inhibit edema and swelling of the joints and decrease recovery time after an injury. Boswellia is a traditional Ayurvedic herb that has been shown to help regulate cells which break down bone tissue. Modern research has demonstrated that these ingredients are safe and highly effective in regulating the inflammatory response in the body.

Inflammation is a critical mechanism in our body that provides the ability to contain and remove infectious agents as well as to respond and initiate healing during an acute injury. However there are times when chronic unregulated inflammation can exacerbate or even manifest a certain disease state within the body. For example when an individual is experiencing Osteoarthritis like symptoms particular inflammatory compounds, or cytokines, will actually inhibit enzyme activity that is involved in the production of proteoglycans in the cartilage, which will lead to increased tissue damage. Phytonutrients found in various herbal extracts and spices, including turmeric and boswellia, have the ability to regulate the expression of these particular inflammatory cytokines and allow the regeneration process to begin.

Highlight on Curcumin C3 Complex®

Curcuminoids are extracted compounds from the root of the *Curcuma longa* (Turmeric) plant. They have been found to have antioxidant, anti-inflammatory, antibacterial, antifungal,

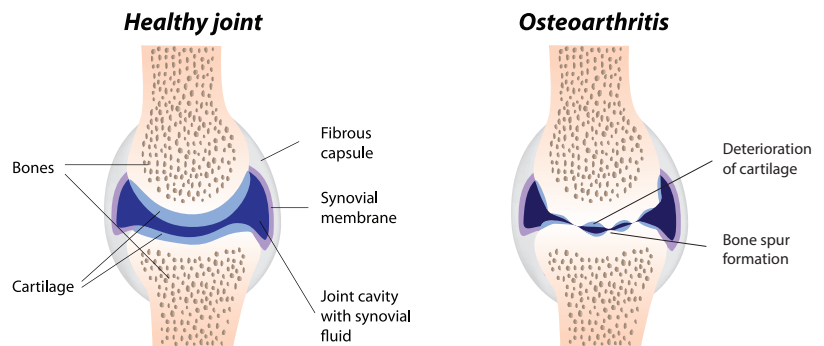
anti-mutagen, as well as immune boosting and detoxifying properties. Curcumin C3 Complex® patents a unique composition and ratio of three curcuminoids; diferuloylmethane, demethoxycurcumin and bisdemethoxycurcumin. This proprietary blend has been found to be highly effective in deactivating and preventing the formation of free radicals. Curcumin C3 Complex's® unique formula has been shown to have greater stability and activity when taken orally compared to other standard turmeric extracts on the market.

Beneficial Effects of Curcuminoids

- Curcumin has been shown to be a COX-2 (Cyclo-oxygenase-2) inhibitor.
- Unlike conventional non steroidal anti-inflammatory drugs (NSAIDs), curcuminoids do not cause gastrointestinal side effects or ulcers.
- Curcuminoids support a healthy immune system.
- Prevents connective tissue breakdown through inhibiting destructive enzymes, and the expression of inflammatory compounds.

Manganese is an essential trace mineral that is involved in bone and cartilage growth and repair. This mineral is a cofactor for enzymes that are involved in the production of proteoglycans and collagen formation in the body. Research on combination therapy of glucosamine, chondroitin, and manganese was found to help alleviate symptoms of knee osteoarthritis.

Synovial joint



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High Potency Combination Multiplex Homeopathic Formulas

Scientific Bio-Logics has Reformulated Five Combination Remedies

Those who use and recommend these formulas in their practice will immediately notice the change in potencies and performance. We have, in fact, added higher potencies to all formulas and shifted out a number of the lower potencies.

Why change a formula that has worked so well in the past?

We have changed these formulas in order to create formulas that are even more effective. The use of homeopathy has often been referred to as the peeling of an onion, where the energetics of the body happens in layers. We peel off one layer at a time, as the frequencies permeate. Every layer has to be in

harmonic order from the core resonant frequency to the outermost layer. Higher potencies have the ability to reach a higher octave, therefore reaching a deeper layer of the onion.

Based on this information we now know that the use of higher potencies will release from the core resonant frequencies through more layers of the onion. The layers have an opportunity to create a wave pattern and will communicate simultaneously from one to another. Those who already use and recommend these formulas in their practice will immediately notice the change in potencies. We have, in fact, added higher potencies to all formulas and shifted out a number of lower. Scientific Bio-Logics continues to advance our proprietary formulas based on scientific evidence and discovery.

These formulas can be used on their own or in combination. The potencies of each formula are delivered rapidly through

sublingual dosing. Homeopathics have been widely used to enhance recovery from surgery.

Combination Homeopathic Formula, What does it mean?

A medicine preparation containing a mixture of multiple homeopathic tinctures. blended together in on medicines which are known to have some physiological action on a disease or an organ.

Multiplex What, does it mean?

Defined: In homeopathy it is a single ingredient in multiple potencies also known as many strengths.

Multiple potencies are designed from the research of Dr. Samuel Hahnemann, who discovered that each potency works on a different level in the body. A multiple potency homeopathic remedy allows the body to choose a frequency or level of strength to assist the body in healing.



Trauma & Bruise Relief

Multiplex Homeopathic Formula

SKU: SBL100
UPC: 736211568946
Contents: 100 Tablets

Active Ingredients:

Arnica montana 12X, 30C, 200C

Dosage:

Adults and children above 6 years take 1-2 tablets under the tongue. Repeat every 1-2 hours for acute conditions, every 3-4 hours for less acute conditions. Infants and children to 6 years, spoon-feed one half the adult dosage diluted in 1 teaspoon of water.

Description:

Arnica montana is a powerful agent that has a marked effect on circulation. It has been shown to increase vascular diameter (vasodilation) resulting in improved blood flow throughout the brain and body, thereby minimizing bruising, swelling, skin irritation, discoloration, and muscle pain.

Indications:

For relief of trauma, muscle aches, joint pains, bruise soreness, headaches, hangovers, and back pain.

Key Points:

- Enhances circulation by affecting blood vessel dilation and/or contraction
- Mitigates ecchymosis (bruising), inflammation, and swelling

Trauma & Bruise Continued

Formula Ingredients:

Arnica montana is a powerful agent that has a marked effect on the blood and circulation. It has been shown to increase vascular diameter resulting in improved circulation throughout the brain and body along with minimized bruising, inflammation, and muscle pain. Thymol, an active ingredient concentrated in the roots of Arnica montana, has been

clinically shown to initiate spontaneous contraction of the smooth muscles in blood vessel walls. It thereby modulates blood flow, skin irritation, discoloration, and swelling. Emerging research also suggests analgesic and antibacterial activity.

A homeopathic potency is obtained by a precise and controlled process of vigorous shaking, traditionally referred to as succussion and successive dilution. The X, C, and LM refer to the number of parts of the

diluent (water and or alcohol) that one part of the mother tincture is diluted in. The letters are roman numerals X, C and LM referring to 10, 100, and 50,000 respectively. The numbers refer to the number of times the tincture is diluted by that amount, and succussed between dilutions. The different potencies comprehensively target the superficial, internal, and mental/emotional levels of the body.



Upset Stomach & Nausea Relief

Multiplex Combination Homeopathic Formula

SKU: SBL101
UPC: 736211568649
Contents: 100 Tablets

Active Ingredients:

Nux vomica 6X, 12X, 30C, 200C Carbo vegetabilis 30C, 200C

DOSAGE: Adults and children above 6 years take 1-2 tablets under the tongue. Repeat every 1-2 hours for acute conditions, every 3-4 hours for less acute conditions. Infants and children to 6 years, spoon-feed one half the adult dosage diluted in 1 teaspoon of water.

Description:

Nux Vomica, is generally used to establish equilibrium in the body. Nux Vomica enhances respiration, circulation, and muscle integrity thereby soothing mental strain, headache, and insomnia.

Indications:

Promotes peristalsis and encourages regular normal bowel movements. Relieves gastrointestinal complaints including diarrhea, flatulence and nausea. Soothes the central nervous system and enhances respiration.

Key Points:

- Promotes peristalsis and optimal bowel movement
- Soothes the central nervous system
- Enhances respiration

Formula Ingredients:

Derived primarily from the Strychnos Nux Vomica tree indigenous to Southeast Asia, Nux vomica is generally used to establish equilibrium in the body by stimulating and toning atonic musculature of the digestive and vascular systems. It has been shown to promote peristalsis and optimal bowel movement, addressing nausea, flatulence, constipation, diarrhea, and general dyspepsia. It has also been used to soothe and calm an

irritable central nervous system, minimizing mental strain, headache, and insomnia. Nux vomica enhances respiration, circulation, and muscle integrity enabling relaxation.

The addition of Carbo vegetabilis, or wood charcoal, enhances digestive and venous circulation. This synergistically rids the body of mental, emotional, and physical stagnation.



Tension & Stress Relief

Multiplex Combination Homeopathic Formula

SKU: SBL103
UPC: 736211568748
Contents: 100 Tablets

Active Ingredients:

Sanguinaria 30C Glonoine 30C Robinia 30C
Rauwolfia 30C

DOSAGE: Adults and children above 6 years take 1-2 tablets under the tongue. Repeat every 1-2 hours for acute conditions, every 3-4 hours for less acute conditions. Infants and children to 6 years, spoon-feed one half the adult dosage diluted in 1 teaspoon of water. diluted in 1 teaspoon of water.

Description:

Tension Relief has a direct vasodilation effect on blood vessels. Relaxation of smooth muscle cells within the vessel walls and increased diameter of the blood vessels diminish cerebral and vascular tension.

Indications:

Promotes enhanced blood flow, provides headache relief, and soothes the mind.



Pain & Inflammation

Multiplex Combination Homeopathic Formula

SKU: SBL104
UPC: 736211568847
Contents: 100 Tablets

Active Ingredients:

Belladonna 12X, 30C, 200C Bellis Per. 12X, 30C, 200C Hypericum 12X, 30C, 200C Arnica Montana 12X, 30C, 200C

DOSAGE: Adults and children above 6 years take 1-2 tablets under the tongue. Repeat every 1-2 hours for acute conditions, every 3-4 hours for less acute conditions. Infants and children to 6 years, spoon-feed one half the adult dosage diluted in 1 teaspoon of water.

Description:

Pain & Inflammation Formula combines powerful ingredients which help to decrease swelling and minimize throbbing pain, nerve tingling and risk of infection.

Indications:

Supports the fast acting relief of headaches, nerve pain, soreness, wounds, spasms, sprains, bruises, throbbing pain, and muscle tissue injury

Pain and Inflammation Multiplex Combination Homeopathic Formula by Scientific Bio-Logics (contains Belladonna, Bellis Per., and Hypericum in multiple potencies).

These compounds are also known as Deadly Nightshade, Daisy, and St. John's Wort, respectively. These powerful plants help to decrease swelling and inflammation, and minimize throbbing pain, nerve tingling and risk of infection.



Scar Formula

Multiplex Homeopathic Formula

SKU: SBL102

UPC: 736211568540

Contents: 100 Tablets

Active Ingredients:

Calcarea fluorica 6X, 12X,30C, Lachesis mutus 30C, 200C, Silicea 6X, 12X, 30C, Thiosinaminum 6X, 12X, 30C, 200C

Dosage:

Adults and children above 6 years take 1-2 tablets under the tongue. Repeat every 1-2 hours for acute conditions, every 3-4 hours for less acute conditions. Infants and children to 6 years, spoon-feed one half the adult dosage diluted in 1 teaspoon of water. diluted in 1 teaspoon of water.

Description:

Scar Formula combines essential structural minerals and other elements, providing restorative powers to the skin and improved anticoagulant abilities to blood flow.

Indications:

Helps minimize the appearance of abrasions and scarring. Supports elasticity of epidermal and connective tissue. Restores cartilage and bone. Absorbs scar tissue.

Key Points:

- Supports elasticity of epidermal and connective tissue
- Improves capillary blood flow
- Restores cartilage and bone
- Absorbs scar tissue

The combination of elements found in Scar Formula is suitable wherever there is a need for elasticity, flexibility, and structural strength in connective tissue. Scar Formula combines essential structural minerals and other elements, providing restorative powers to the skin and improved anticoagulant abilities to blood flow.

Formula Ingredients:

Calcarea Fluorica is a mineral found mainly in the bones and teeth. It is also found in the muscles, nerves, blood vessels and in the

elastic fibers of epidermal and connective tissue. If the body is deprived of calcium fluoride, many types of conditions can develop such as tooth decay, wrinkling of the skin, prolapsed uterus and anus, enlarged heart, sagging of the entire abdominal tract, varicose veins, aneurysm, hard swellings, and weakness.

Lachesis Mutus comes from the venom of the bushmaster snake and offers powerful effects on the blood and the central nervous system. Lachesis Mutus has blood thinning or anticoagulant abilities. This improves blood flow and facilitates the healing process by speeding up the removal of toxins from the blood. It is also used to heal skin injuries, such as an insect bite, blistering sunburn or a slow-healing wound.

Silicea is a cell salt found in the hair, nails, and connective tissue insulating and protecting the nerves. An abundant mineral in the

earth's crust, silicea has a profound cleansing effect on the body. An essential structural component of cartilage and bone, silicea has a powerful restorative and stabilizing effect on the human body.

Thiosinamine is a chemical derivative from volatile mustard oil, which promotes the absorption of scar tissue.



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