

CELLULAR HEALTH™ SYNERGY FORMULAS



Synergy based, innovative nutritional supplements formulated from breakthrough discoveries by the pioneers in natural health science!

Good health depends on the health of your cells

Dr. Rath Cellular Health Synergy Formulas are unique in supporting the healthy function of cells building our body and its organs. Although these cells have different shapes and roles in the body, all of them require biocatalysts in the form of micronutrients (vitamins, minerals, trace elements, and special amino acids) to generate cellular energy and perform other vital functions.



For the optimal performance and health of our body's cells, these micronutrients must be supplemented in the proper amounts and combinations.



A Revolutionary Discovery About Cardiovascular Health

Dr. Rath's discovery provides a new understanding of the basis of cardiovascular health, shifting its focus from cholesterol levels in the blood to the health status of the artery walls. Because of constant mechanical stress, the vascular system has specifically high demands for micro-

nutrients which are continuously needed to generate bioenergy in the cells of the heart muscle and artery walls.

When the cells composing the coronary arteries do not receive an adequate supply of these nutrients, the arteries lose their strength and eventually develop lesions and cracks. In an attempt to repair itself, the body fills these cracks with deposits of cholesterol. The chain reaction begins when the liver increases its cholesterol production to fill the vascular cracks. With an optimum supply of cellular nutrients, the artery walls can retain their structural integrity and strength, reducing the need for excess cholesterol production and ensuring the optimal function of the cardiovascular system.



Nutrient Synergy— An Innovative Scientific Approach to Achieving Optimal Health

Dr. Rath Cellular Health Synergy Formulas are unique in utilizing "nutrient synergy" (specific nutrients working together) in ensuring optimal cellular function and health. This unique and innovative approach that we pioneered is based on scientific selection and testing of specific nutritional "teams" for achieving specific biological effects. With nutrient synergy, we can maximize biological effects and maintain metabolic balance without using megadoses of nutrients. Each Cellular Health Synergy Formula developed by Dr. Rath is based on extensive scientific research and the principle of nutrient synergy to optimize the function of the cells, which are the basic units of our bodies.

Effects of vitamin deficiency on artery wall

Sufficient vitamin intake



Healthy artery wall In a well-nourished artery, no lesions or cracks are present.



Artery wall with lesions and cracks Developed after years of nutrient deficiencies.



Insufficient vitamin intake

Artery wall self-repair Cholesterol fills cracks to stabilize and repair the weakened artery wall.



Atherosclerosis in artery wall Excessive buildup of cholesterol over time leads to deposits and poor cardiovascular health.

We Developed a Breakthrough Approach to Maintaining Normal Cell Growth

In order to grow and migrate in the tissue, healthy cells must break down the connective tissue surrounding them in a controlled way. Under pathological conditions, this process can go awry and result in uncontrolled cell growth and their spread in the body.

Dr. Rath and his research team has identified and tested specific nutrient combinations that can help protect cells in the body from uncontrolled growth by blocking the action of collagen-digesting enzymes and strengthening the body's connective tissue.

Cellular Health[™] Starts With Collagen and These Key Nutrients

Collagen is a vital component of all soft tissues, such as skin, blood vessels, and tendons. It is the "glue" that holds the cells and organs together and ensures proper communication between them. In addition, collagen forms the structural foundation of the bones and teeth, and its optimal structure ensures the stability of the entire body.

Dr. Rath's scientifically developed nutritional formulas are based on three key nutrients for healthy collagen: Vitamin C and the amino acids L-Lysine and L-Proline. Balanced quantities of these micronutrients provide the biological foundation for the optimal production and structural stability of collagen and connective tissue – the framework for all the organs and the body.

The human body does not produce vitamin C or L-Lysine, and without their regular supplementation, deficiencies of these critical components are likely.





Sufficient intake of these three nutrients is essential to ensure optimal collagen production for supporting strong connective tissue and a healthy body.

Vitamin C: Plays a critical role in the production of collagen and it is needed to form biological bridges connecting individual collagen strands thereby ensuring optimum collagen structure and its stability. Vitamin C, being the most important antioxidant, is also essential for protecting connective tissue and other cellular structures against free radical damage.

L-Lysine: An essential (it must be obtained from the diet) amino acid that is an important building block of collagen. In addition, it protects the stability of the connective tissue by controlling the activity of enzymes that digest collagen and other connective tissue components. Lysine is needed to support the utilization of fatty acids for energy.

L-Proline: This amino acid is also a building block of collagen and strong connective tissue. It is also a part of a synergy team active in controlling enzymatic degradation of this tissue. Although proline is produced in our body, its levels may not meet the body's requirements.

Dr. Rath Cellular Health Synergy Formulas provide these and other nutrients needed for long-term overall health in specific levels and balanced amounts.

Optimum Health Through Nutrient Synergy

The majority of health approaches in the area of nutrient supplementation are based on using single nutrients provided in very high doses (megadoses) or randomly selected nutrient combinations. However, Dr. Rath Cellular Health Synergy Formulas utilize the unique scientific approach of nutrient synergy at the cellular level.



With synergy, the final outcome is better than the sum of individual results. Synergy applies when more than one mechanism is involved.

This scientifically defined nutrient-to-nutrient cooperation helps to achieve a better biological effect than a single nutrient, and smaller quantities of each individual nutrient are required for the same impact.

For instance, the US National Institutes of Health confirmed in a historic study in 2005 that vitamin C in very high doses can kill abnormal cells. However, much earlier studies by the Dr. Rath Research Institute have documented that vitamin C, when used in lower doses but in combination with the amino acids L-lysine and L-proline and a polyphenol fraction of green tea known as Epigallocatechin Gallate (EGCG), can exert control over abnormal cell growth, not only by eliminating these cells, but by affecting many other critical aspects of their metabolism at once.

Synergistically acting moderate quantities of specifically selected nutrients are more effective than individual components or their random combinations.



Nutrient Synergy is More Effective in Inhibiting Abnormal Cell Growth

By using synergistic combinations of nutrients, the abnormal cell growth could be curtailed by about 88%, while the use of individual nutrients or their incomplete "teams" had either no effect at all or a much smaller impact.

This research showed that nutrient synergy could trigger the death of these cells and at the same time limit their uncontrolled growth, and completely stop the spread of more than three dozen abnormal cell types. In addition, this combination of nutrients could cut off cell nourishment through limiting the number of blood vessels infiltrating abnormal growth areas.

The benefits of nutrient synergy have been expanded to all areas of health with successful results. Research documents that nutrients working in synergy are much more beneficial in restoring cellular balance and optimizing cellular metabolism than individual nutrients even when used in megadoses. This revolutionary new direction in a nutritional science approach is gaining more and more followers!

The Science Behind Dr. Rath Cellular Health Synergy Formulas



Matthias Rath, M.D.

The Discoverer of a New Approach to Health

Dr. Matthias Rath is the internationally respected physician and research scientist who made the groundbreaking discovery conclusively proving the connection between specific vitamin deficiency and poor cardiovascular health. Dr. Rath developed the concept of Cellular Health[™], an approach that focuses on optimizing the

body's cell function as the basis of health. Two-time Nobel prize winner Dr. Linus Pauling paid tribute to Dr. Rath by saying, "Dr. Rath's discoveries will be considered among the most important of the 20th century."



Aleksandra Niedzwiecki, Ph.D.

Pioneer in the Field of Nutritional Science

Aleksandra Niedzwiecki, Ph.D. has worked with Dr. Rath for the past 25 years in the research, development, and promotion of Cellular Health Synergy Formulas. Dr. Niedzwiecki is the former director of cardiovascular research at the Linus Pauling Institute, and she has worked directly with two Nobel Laureates. As director of research

at the Dr. Rath Research Institute, Dr. Niedzwiecki has been instrumental in developing research approaches and clinical studies based on Dr. Rath's discoveries and the successful application of these discoveries for human health.



Cellular Health Research

A World Class Scientific Team

Under the direction of Dr. Rath and Dr. Niedzwiecki, the team of recognized doctors, scientists, and nutritionists conducts natural health research in the company's state-of-the-art laborato-

ries. Their innovative research forms the basis for development of effective and safe nutrient compositions, which undergo extensive laboratory and clinical testing to confirm their efficacy.



Cellular HealthTM Research

Dr. Rath's groundbreaking discoveries in the field of natural health are the basis for ongoing Cellular Health[™] research being conducted at the Dr. Rath Research Institute. The researchers work with state-of-the-art scientific equipment conducting innovative research on the role of nutrients in various aspects of health. They collaborate with other universities in the US and abroad for the benefit of human health

Dr. Rath has made his breakthrough discoveries available to people everywhere who want to take back control of their health.



How Dr. Rath Cellular Health Synergy Formulas Work

Depending on your age or the state of your health, there is a Cellular Health Synergy Formula specifically designed to optimize your health. We advanced health science from the level of a formula to a defined program.

Each Cellular Health Synergy Formula is designed to work effectively alone, or combined with other formulas to optimize targeted health benefits.

The Dr. Rath Cellular Health Synergy Formulas are unique because they are based on nutrient synergy - a comprehensive new understanding of the positive interaction of specific micronutrients in cell metabolism.

Although the cells building the different organs look different and have distinct functions in our body, they all require vitamins, minerals, and other micronutrients to sustain life.



- · Developed by a team of M.D.s and scientists, not by marketing departments
- Tested for their efficacy using basic and clinical research
- Higher efficacy through the pioneering concept of nutrient synergy
- · Ingredients selected for highest quality and safety

Cardio Multivitamin





"You are as old as your cardiovascular system."

The optimum function of the cells building our heart and the sixty-mile-long pipeline of blood vessels is the basis of our health and longevity. Due to the constant pumping of the heart - and the ensuing pulse wave - the cells of the cardiovascular system are subjected to high mechanical stress. Therefore, the cells building our artery walls have increased demands for specific micronutrients needed to support optimum bioenergy and collagen production and assuring strength and elasticity of these blood vessels.

The Cardio Multivitamin Synergy Formula is a multivitamin that contains selected vitamins, minerals and other micronutrients for optimum stability of the vascular system - the basis of our health and longevity. Collagen and other connective tissue molecules support the healthy structure of our arteries and veins.



Key Synergy Nutrients:

Vitamin C, lysine and proline act synergistically to support the production of properly structured collagen and other components of connective tissue building the cardiovascular system. These ingredients are required for maintaining stability and integrity of the blood vessel walls, thereby promoting healthy circulation.

B vitamins, magnesium, CoQ10 and carnitine support production and utilization of cellular energy to improve heart muscle function and physical endurance.

Selenium, zinc, magnesium, copper, manganese and other minerals are essential cofactors for different enzymes involved in thousands of the body's biochemical reactions.

Vitamins C and E, pycnogenol and citrus bioflavonoids provide antioxidant protection for all cell structures and optimum function of blood vessels.

Supplement Serving Size: 3 Capsules Servings F	Per Container	
	t Per Serving	% DV
Vitamin A (as Natural Mixed Carotenoids)	475 mcg^	53%
Vitamin C (as Ascorbic Acid, Ascorbyl Palmitate	600 mg	667%
Calcium Ascorbate, Magnesium Ascorbate)		
Vitamin D3 (as Cholecalciferol)	3.25 mcg	16%
Vitamin E (as d-alpha Tocopheryl Acid Succinate,	86.4 mg	576%
Natural Mixed Tocopherols)		
/itamin B1 (as Thiamine Mononitrate)	7 mg	583%
Vitamin B2 (as Riboflavin 5'-Phosphate)	7 mg	538%
Niacin (as Niacinamide, Niacin)	45 mg•	281%
/itamin B6 (as Pyridoxal 5'-Phosphate)	10 mg	588%
Folate (as L-Methyltetrahydrofolate Calcium Salt)	153 mcg*	38%
/itamin B12 (as Methylcobalamin)	20 mcg	833%
Biotin	65 mcg	217%
Pantothenic Acid (as Calcium D-Pantothenate)	40 mg	800%
Calcium (as Calcium Glycinate, Dicalcium Phospha	ite 64 mg	5%
Calcium Ascorbate, Calcium D-Pantothenate)		
Phosphorus (as Dicalcium Phosphate)	15 mg	1%
Magnesium (as Magnesium Ascorbate, Magnesium Glyc		9%
Zinc (as Zinc Glycinate)	7 mg	64%
Selenium (as L-Selenomethionine)	20 mcg	36%
Copper (as Copper Glycinate)	0.33 mg	37%
Manganese (as Manganese Citrate)	1.3 mg	57%
Chromium (as Chromium Picolinate)	10 mcg	29%
Molybdenum (as Sodium Molybdate)	4 mcg	9%
Potassium (as Potassium Citrate)	20 mg	<1%
Lysine (as L-Lysine HCI)	110 mg	**
L-Proline	110 mg	**
Citrus Bioflavonoids Complex (Fruit Peel)	100 mg	*1
-Arginine (as L-Arginine HCI)	40 mg	*1
Carnitine (as L-Carnitine Tartrate)	35 mg	*1
Cysteine (as L-Cysteine HCI)	35 mg	*1
nositol	34 mg	*1
CoEnzyme Q10	7 mg	*1
rench Maritime Pine Extract (Bark) (Pycnogenol®)) 7 mg	*1
Natural Mixed Tocopherols (beta, gamma & delta Tocoph		*1
Natural Mixed Carotenoids	1 mg	**

Other Ingredients: Vegetable Cellulose (Capsule), Natural Lemon Lime Flavoring, L-Leucine.

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.]



Because of the constant pumping of the heart and the pulse wave, the cells building our blood vessel walls are exposed to extraordinary mechanical stress. This can contribute to a chronic depletion of micronutrients in these cells and, in turn, limit the ability of the blood vessel walls to relax and maintain normal blood pressure levels.

The Dr. Rath Healthy Blood Pressure Synergy Formula includes specific micronutrients that are known to support the contraction and relaxation cycle of blood vessel walls and thereby help to retain blood pressure within a normal range.

Key Synergy Nutrients:

Vitamins C is an indispensable nutrient for cardiovascular health. It is needed for the production of prostacyclin which is important in blood vessel relaxation and maintaining healthy blood viscosity. Vitamin C is also essential for collagen production which is responsible for the strength and integrity of blood vessels, lung passages, intestinal walls and other organs.

B vitamins play an important role in maintaining healthy blood pressure and homocysteine metabolism. A high level of homocysteine is a risk factor for cardiovascular disease, including hypertension. Homocysteine may elevate blood pressure by damaging vascular endothelial integrity, increasing arterial stiffness, and reducing vasodilatory capacity.

Magnesium is required for the formation of prostacyclin and nitric oxide which have a significant impact on contraction and relaxation of blood vessels. In addition, magnesium may prevent vascular injury via its antioxidant and anti-inflammatory functions.

L-arginine is the source of nitric oxide (NO) called the" relaxing factor." It works together with vitamin C which aids in the process of NO production and contributes to the relaxation effect.

Celery seed extract has been widely researched due to its diverse health benefits, including antioxidant and anti-inflammatory activities. Its antihypertensive properties have been attributed to a compound called L-3-n-butylphthalide (3nB), which may exert vasodilatory and diuretic effects and thus help in maintaining healthy blood pressure.

Green tea extract has been demonstrated to enhance cardiovascular and metabolic health. It can aid in maintaining a healthy blood pressure and improve other cardiovascular risk factors such as oxidative stress, inflammation, blood lipid profile and sugar metabolism.

Grape seed extract is known to support vascular elasticity and normal blood pressure by its positive effects on mechanisms involved in blood pressure regulation, including production of endothelial "relaxing factor" - nitric oxide. In addition, grape seed extract may modulate stress perception resulting in enhancing positive mood.

Clove bud extract provides a broad spectrum of health benefits from digestive aid to anti-inflammatory and cardiovascular support.

Supplement	Fact	S
	gs Per Containe	
Amou	nt Per Serving	% DV
Vitamin C (as Calcium Ascorbate, Magnesium Ascorbate)	400 mg	444%
Vitamin D3 (as Cholecalciferol) (2000 IU)	50 mcg	250%
Vitamin B1 (as Thiamine HCI)	5 mg	417%
Vitamin B2 (as Riboflavin)	5 mg	387%
Vitamin B3 (as Niacin)	10 mg	62%
Vitamin B6 (as Pyridoxal 5'-Phosphate	5 mg	294%
Folate (as L-5-Methyltetrahydrofolate Calcium	Salt) 400 mcg*	100%
Vitamin B12 (as Methylcobalamin)	50 mcg	2083%
Calcium (as Calcium Ascorbate)	33 mg	3%
Magnesium (as Magnesium Oxide, Magnesium Ascorbate, Magnesium Citr	400 mg ate)	95%
Clove Extract 4:1 (Bud)	450 mg	**
Grape Extract (95% Proanthocyanidins)(See	ed) 450 mg	**
Green Tea Extract (98% Polyphenols)	450 mg	**
3nB® Celery Extract (42.5% Phthalides)(Se		**
L-Arginine HCI	150 mg	**
** Daily Value (DV) not established. * DFE (Dieta	ary Folate Equival	ents).
Other Ingredients: Vegetable Cellulose (Cap	osule), L-Leucine	e

Healthy Heart Energy



The heart muscle beats 100,000 times a day and this continuous pumping function requires large supplies of biological energy. Both the generation of the electrical impulse of the heartbeat, as well as the constant mechanical contraction of the heart muscle, require a continuous supply of vitamins and other essential nutrients which act as catalysts in the energy cycle of heart muscle cells.

The Healthy Heart Energy Synergy Formula is comprised of scientifically selected micronutrients to support optimum energy supply and cardiovascular function.

Key Synergy Nutrients:

Vitamin C is required for the synthesis of carnitine, an important molecule in the process of cellular energy production. Due to its ability to donate electrons, vitamin C scavenges reactive oxygen species providing substantial antioxidant protection to cells with high energy demand where free radicals are encountered.



B Vitamins (B1, B2, B5, B6, B12) work together in synergy to support production and utilization of cellular energy to improve heart function, heart pumping and physical endurance.

Coenzyme Q10 supports bioenergy production in the heart muscle cells to enhance the pumping action of the heart. In addition to its antioxidant action, coenzyme Q10 also helps regulate the function of mitochondria and energy production, which is especially important in supporting heart muscle cells.

Carnitine is needed for the transport of fatty acids inside the mitochondria to be processed in the energy cycle. This process is especially important for the heart muscle cells that rely on the fatty acids molecules as a source of energy.

Magnesium is an essential cofactor for enzymes involved in carbohydrate and fat metabolism. It also binds to adenosine triphosphate (ATP), the universal energy currency of cells, to form biologically functional Mg-ATP complexes.

Taurine: Is a sulfur-containing amino acid found in cardiac muscle and has an important role in maintaining regularity of heart rhythm as well as optimum heart muscle function.

Serving Size: 2 Capsules Serving	gs Per Contain	
Amoun	t Per Serving	% DV
Vitamin C (as Magnesium Ascorbate, Calcium Ascorbate)) 500 mg	556%
Vitamin E (as d-alpha-Tocopheryl Succinate)	60 mg	400%
Vitamin B1 (as Thiamine HCI)	15 mg	1250%
Vitamin B2 (as Riboflavin)	15 mg	1154%
Vitamin B3 (as Niacinamide, Niacin)	40 mg*	250%
Vitamin B6 (as Pyridoxal 5'-Phosphate)	8 mg	471%
Folate (as L-5-Methyltetrahydrofolate Calcium Salt)	200 mcg*	50%
Vitamin B12 (as Methylcobalamin)	24 mcg	1000%
Biotin	150 mcg	500%
Pantothenic Acid (as D-Calcium Pantothenate)	40 mg	800%
Calcium (as Calcium Ascorbate, D-Calcium Pantothenate	e) 25 mg	2%
Magnesium (as Magnesium Ascorbate)	104 mg	25%
L-Carnitine (as L-Carnitine L-Tartrate)	200 mg	**
Taurine	200 mg	**
CoQ10	60 mg	**

Other Ingredients: Vegetable Cellulose (Capsule), L-Leucine.

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Healthy Blood Sugar



Sugar (glucose) is a key molecule used by all cells as fuel to produce bio-energy. It is also part of glycoproteins and other structural molecules. Excess glucose in the blood can bind to protein and other molecules, impairing their cellular functions. Therefore, it is important that the blood maintains optimal glucose levels and that these sugar molecules are effectively utilized by the cells of the different organs.

The Dr. Rath Healthy Blood Sugar Synergy Formula contains vitamins, minerals and micronutrients which play a critical role in retaining healthy sugar balance and carbohydrate metabolism in the body.*

Key Synergy Nutrients:

Vitamin C supports cellular transport of glucose molecules and maintains blood vessel integrity. In addition, vitamin C corrects the imbalance caused by increased blood sugar levels and lower insulin.

B group of vitamins are essential cofactors for cellular metabolism in the conversion of sugar molecules to energy. They work together as bioenergy carriers, and improve metabolic efficiency of the liver.

Magnesium helps to increase the release and action of insulin by the pancreatic cells. Cells become more sensitive to the action of insulin in the presence of optimum magnesium.

Zinc protects pancreatic cells producing insulin and facilitates the movement of extra glucose in the blood for its optimum metabolism. Chromium is a trace element which optimizes glucose and insulin metabolism by increasing insulin sensitivity of the cells.

Cinnamon extract mimics the action of insulin in the body thereby helping reduce the blood glucose levels. Cinnamon also acts on insulin receptors and enhances the action of available insulin to facilitate the transport of glucose in the cells.

Green tea extract helps in maintaining healthy blood glucose concentration. It also acts as an antioxidant and improves cellular insulin sensitivity.

Alpha lipoic acid helps in blood sugar maintenance and also acts as an antioxidant and prevents nerve damage caused by diabetic neuropathy.

Grape seed extract improves glucose tolerance and delays insulin resistance by cells, both of which are important for maintaining normal blood sugar levels. In addition to being an excellent antioxidant, grape seed extract also reduces the markers of inflammation and supports strong collagen and elastin fibers. Therefore, it may help in preventing cardiovascular complications of diabetes.

Vanadium helps in appropriate utilization of glucose in the blood and lowers insulin requirements.

Inositol and choline are components of cell membranes and are essential for nutrient transport and supply to the cell.

Cumulament Feeta

Serving Size: 3 Capsules Serv	ings Per Container	
Serving Size. 3 Capsules Serv	ings Per Container	. 30
	Amount Per Serving	% D\
Vitamin C (from Ascorbic Acid, Magnesium Ascorbate, Calcium Ascorbate, Ascorbyl Palmitate)	600 mg	667%
Vitamin E (as d-alpha Tocopheryl Succinate)	86 mg	573%
Vitamin B1 (as Thiamine Mononitrate)	10 mg	833%
Vitamin B2 (as Riboflavin)	10 mg	769%
Vitamin B3 (as Niacin, Niacinamide)	50 mg	313%
Vitamin B6 (as Pyridoxal 5'-Phosphate)	10 mg	588%
Folate (as L-5-Methyltetrahydrofolate Calcium Salt)	200 mcg*	50%
Vitamin B12 (as Methylcobalamin)	10 mcg	417%
Biotin	50 mcg	166%
Pantothenic Acid (as Calcium D-Pantothenate)	50 mg	1000%
Choline (as Choline Bitartrate)	75 mg	14%
Calcium (from Calcium Ascorbate, Calcium D-Pantothenate		2%
Magnesium (from Magnesium Oxide, Magnesium Citrate, Magnesium Ascorbate)	270mg	64%
Zinc (as Zinc Bisglycinate Chelate) (TRAACS ^{III})	10 mg	91%
Chromium (from Chromium Chloride)	100 mcg	286%
Cinnulin PF® (Cinnamon Bark Extract)	100 mg	•
Green Tea Leaf Extract (50% EGCG)	100 mg	
L-Arginine (from L-Arginine HCI)	100 mg	
Alpha Lipoic Acid	50 mg	
Grape Seed Extract (min 95% Proanthocyanidins)	50 mg	
Inositol	50 mg	
L-Lysine (from L-Lysine HCI)	50 mg	
Vanadium (from Vanadyl sulfate)	0.02 mg	

Other Ingredients: Vegetable Cellulose (Capsule), Nu-FLOW® (Organic Brown Rice Concentrate)

Healthy Cell Growth





All cells building our body and its organs grow, regenerate and die in an orderly fashion that assures optimum health. They are surrounded by collagen and other connective tissue molecules that give the cells and organs their principal stability. Under healthy conditions this tissue can periodically undergo enzymatic restructuring in a controlled way. Here micronutrients play an important role maintaining the connective tissue digestion process and its integrity in balance.

The Healthy Cell Growth Synergy Formula contains a selection of micronutrients that play an important role in supporting healthy cell growth. Among them, plant polyphenols, quercetin and green tea extract, and specific animo acids help retain the integrity of connective tissue for normal cell growth.

Key Synergy Nutrients:

Vitamin C plays a critical role in the production of collagen and ensures its proper structure. Vitamin C is essential for strong connective tissue, and is also the most important antioxidant that neutralizes free radicals and protects cellular structures from free radical damage. It participates in numerous biochemical reactions that generate cellular energy and acts synergistically with lysine, proline and other nutrients. Lysine is an essential amino acid, which signifies that it must be obtained from the diet and is an important building block of collagen fibers. Lysine also helps in connective tissue stabilization by controlling the destructive activity of collagen digesting enzymes.

Green tea extract is rich in Epigallocatechin Gallate (EGCG) a component of green tea that has significant antioxidant and anti-carcinogenic properties. EGCG also stops the action of the collagen-digesting enzymes, matrix metalloproteinases (MMP-2 and MMP 9), which facilitate the spread of various types of abnormal cells throughout the body.

Quercetin is a type of flavonoid found in apples, onions and citrus fruits. Due to its potent anti-inflammatory and antioxidant properties, quercetin can be beneficial in a wide variety of health aspects. It protects against free radical damage, and supports healthy function of the immune system. The work of Dr. Rath's research team has shown that quercetin works in synergy with EGCG increasing the protective effects of EGCG on the body's cells metabolism.

Serving Size: 6 Capsules	Servings Per	Container: 30	
Conting Ci20: C Capodico	oorninger or	oomanon oo	
	Amount Per S	erving	% DV
Vitamin C (from Ascorbic Acid, Calcium Asco Magnesium Ascorbate, Ascorbyl Palmitate	orbate, 7 [.])	I0 mg	789%
Calcium (from Calcium Ascorbate)		23 mg	2%
Magnesium (from Magnesium Ascorbate)		50 mg	12%
Selenium (from L-Selenomethionine)	3) mcg	55%
Copper (from Copper Glycinate)		2 mg	222%
Manganese (from Manganese Citrate)		1 mg	43%
Green Tea Extract (98% Polyphenols)	10	00 mg	**
L-Lysine HCI	10	00 ma	**
L-Proline	7	50 mg	**
L-Arginine	51	00 mg	**
N-Acetyl-L-Cysteine	2	00 mg	**
Quercetin (from Quercetin Dihvdrate)	(50 mg	**

Other Ingredients: Cellulose (capsule), L-Leucine.





Collagen is the fibrous protein component of connective tissue building our skin, cartilage, blood vessels, bone, and all body organs. With age, collagen begins to weaken and becomes less pliant. The result is dry, wrinkled skin.

Studies have shown that adequate collagen production is critical for our general health, for supporting strong coronary arteries and improved blood circulation, maintaining healthy cartilage and bones, as well as improved function of many organs in our body.

For the optimal production of collagen in the body, a continuous supply of vitamin C and the amino acids lysine and proline is required. Vitamin C and lysine are not produced in the body, so dietary supplementation with these collagen building nutrients is essential to help keep your skin healthy and beautiful and optimize healthy function of the body.

Key Synergy Nutrients:

Vitamin C plays a critical role in the production and structure of collagen, which is essential for building strong connective tissue. Vitamin C is also a powerful antioxidant that neutralizes free radicals and protects cells from damage. Unlike animals, humans do not produce vitamin C, so proper supplementation is vital for the health of connective tissue. L-Lysine is an essential amino acid, and is a building block of collagen. L-lysine prevents the digestion of connective tissue by blocking the sites where enzymes attach to collagen. L-lysine is not produced in the body and its supplementation is necessary to help protect the body's connective tissue against excessive enzymatic degradation and maintain its integrity.

L-proline is another important amino acid as a building block of collagen. It helps strengthen the body's connective tissue and it plays a role in controlling its enzymatic degradation. This nutrient is produced by the body in limited quantities, so additional supplementation is important to ensure the optimal production of collagen.

Supplem	ent Fac	cts
Serving Size: 4 Capsules	Servings per Contai	ner: 30
	Amount per serving	% DV
Vitamin C (as Ascorbic Acid, Ascorbyl Palmitate)	900 mg	1000%
L-Lysine HCI	900 mg	**
L-Proline	450 mg	**
** Daily Value (DV) not established.		

Other Ingredients: Capsule (Vegetable Cellulose), L-Leucine



Healthy Immunity





A properly functioning immune system is the basis of our health and longevity. It protects us against foreign invaders and - if we look after it it will serve us well.

The immune system is made up of entire organs (bone marrow, thymus, spleen) and vessel systems and also of individual cells and proteins that work in a coordinated way to form natural barriers against invading agents, and search, destroy and eliminate them from our body.

Good nutrition is fundamental for our healthy immunity. It is especially important to supply our body with optimum amounts of micronutrients – the catalysts of a multitude of metabolic reactions that mount effective immune response.

Dr. Rath Healthy Immunity Synergy Formula contains a scientifically developed and tested combination of micronutrients that support various aspects of naturally building immunity.

Key Synergy Nutrients:

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Vitamin C enhances activity of immune cells, and is required to repair and regenerate collagen, a critical component of the body's natural barriers. Our body does not produce vitamin C therefore it must be obtained from the diet.

Vitamin C, folic acid, and vitamins B6 and B12 are important for development and optimal function of immune cells. Vitamins C and E, lipoic acid, zinc and selenium are cellular antioxidants and components of antioxidant enzymes crucial for effective protection of cells against oxidative damage.

Fucoidan, a sulfated polysaccharide from brown algae, has been widely researched in the field of immunology due to it having a variety of immune-modulatory effects.

Lychee fruit extract is rich in antioxidants and polyphenols that may benefit the immune system.

CherryPURE* is a tart cherry fruit extract with high anthocyanin content. The proprietary extract CherryPURE* is tested for quality, purity and potency and has been used in clinical studies.

Aronia berry extract (chokeberries) is powerful in antioxidants. Aronia antioxidant potential is more than three times that of blueberries, and outscores blueberries more than four times in anthocyanins.

White mulberry fruits contain a plethora of phytonutrients that may exert immune-modulatory properties and also support sugar and fat metabolism.

Ginger root has been used worldwide for thousands of years in folk medicine. Its bioactive compounds may enhance immune system function through antioxidant and anti-inflammatory properties and by supporting other organs in the body.

Serving Size: 2 Capsules Serving	gs Per Container: 3	30
	Amount Per Serving	% D\
Vitamin C (as Ascorbic Acid)	400 mg	444%
Vitamin E (as d-alpha Tocopheryl Succinate)	30 mg	200%
Vitamin B1 (as Thiamine Mononitrate)	2.4 mg	200%
Vitamin B2 (as Riboflavin)	2.6 mg	200%
Vitamin B3 (as Niacinamide)	16 mg•	100%
Vitamin B6 (as Pyridoxal 5'- Phosphate)	3.4 mg	200%
Folate (as L-5-Methyltetrahydrofolate Calcium Salt)	400 mcg*	100%
Vitamin B12 (as Methylcobalamin)	5 mcg	208%
Biotin	60 mcg	200%
Pantothenic Acid (as D-calcium Pantothenate)	10 mg	200%
Zinc (as Zinc Glycinate)	10 mg	91%
Selenium (as L-Selenomethionine)	100 mcg	182%
Aronia Extract (4:1) (Aronia melanocarpa) (Berry)	200 mg	
Ginger (Root)	200 mg	
Lychee Extract (std. to 50% Polyphenols) (Litchi chinensis)	(Fruit) 200 mg	
Tart Cherry Extract (as Cherry PURE®) (Prunus cerasus)		
Fucoidan 85% (Laminaria japonica)	60 mg	
White Mulberry Extract (5:1) (Fruit)	50 mg	
Alpha Lipoic Acid (ALA)	40 mg	••

Other Ingredients: Vegetable Cellulose (capsule), L-Leucine.

Dr. Rath's VitaCforte[™]



Dr. Rath's VitaCforteTM is an essential part of any daily dietary program. It was developed to provide a balanced source of vitamin C and citrus fruit peel bioflavonoids, which have a protective effect on vitamin C.

Unlike many other vitamin C supplements, Dr. Rath's VitaCforte[™] provides balanced forms of vitamin C, providing support for all cellular and extra-cellular components. Two of the less acidic forms of vitamin C, magnesium ascorbate and calcium ascorbate, make Dr. Rath's VitaCforte[™] easier on the stomach. Ascorbyl palmitate is a fat soluble form of vitamin C, especially effective in protecting lipid rich cellular structures such as membranes, and lipoprotein molecules (i.e., LDL) against oxidative damage.

Vitamin C is a critical nutrient for several metabolic processes in our body to maintain optimum health. It is especially important to supplement vitamin C because this vitamin is not produced in the human body.



Key functions of Vitamin C:

- Essential for the production of collagen, the main protein of the human body that makes up connective tissue, cartilage and tendons.
- Supports strong extracellular matrix formation. This is the "glue" that binds the body's cells together.
- One of the body's most important antioxidants and it also participates in the biological recycling of vitamin E, glutathione, and other cell protective molecules.
- Helps neutralize toxins and other harmful substances in the body.
- Plays a vital role in supporting the body's immune system.
- Involved in the breakdown of cholesterol into bile acids and improves bio-energy production by the cells.
- Necessary for the synthesis of carnitine, the molecule that carries fatty acids into the mitochondria where they can be oxidized to yield energy.
- Optimizes the functions of cardiovascular, immune, nervous and most other systems in the body.

Suppleme	nt	Fac	ts
Serving Size: 4 Capsules	Servin	gs Per Contain	er: 30
	Amoun	t Per Serving	% DV
Vitamin C as Ascorbic Acid 450 mg as Calcium Ascorbate 450 mg as Magnesium Ascorbate 450 mg as Ascorbyl Palmitate 201 mg	g	1551 mg	1723%
Calcium (from Calcium Ascorbate)		46 mg	4%
Magnesium (from Magnesium Asco	rbate)	161 mg	38%
Citrus Bioflavonoids (50% Hesperidir (Citrus aurantium) (Fruit)	ו)	450 mg	**
** Daily Value (DV) not established			

Other Ingredients: Vegetable Cellulose (Capsule), L-Leucine.

LysinC Drink Mix[™]



Strong and healthy connective tissue forms the basic metabolic foundation for the integrity and elasticity of the arterial walls, healthy cartilage, tendons, bones, and skin, and optimum function of the immune system and all body organs.

Dr. Rath LysinC Drink Mix[™] contains the synergistic combination of key nutrients: Vitamin C, the amino acid lysine and citrus fruit bioflavonoids, which are not produced in the human body, but are essential for maintaining healthy connective tissue. Most modern diets do not provide these nutrients in sufficient amounts for optimum health, therefore their supplementation is important.

Key Synergy Nutrients:

Vitamin C is a critical nutrient for numerous metabolic processes. It is essential for the production of collagen, the main protein of the human body. Vitamin C assures optimum collagen structure by assisting in the hydroxylation of the amino acids lysine and proline to form bridges aligning collagen fibers. In addition, vitamin C is one of the body's most important antioxidants and is also involved in recycling of vitamin E, glutathione, and other cell protective molecules. Furthermore, vitamin C participates in the breakdown of cholesterol to bile acids, assists in the synthesis of carnitine, helps neutralize toxins, and supports the immune system among many other functions.

Lysine belongs to the essential amino acids which means that the human body cannot synthesize it and it needs to be obtained from diet. Lysine is a critical component of collagen fibers, and it is required for proper structure and biological functions of this important protein. It is also needed in the synthesis of carnitine which helps transport fatty acids into the mitochondria to be burned for energy. This is especially important for heart function as fatty acids are a primary fuel for the heart.

Citrus Fruit Peel Bioflavonoids enhance the absorption and utilization of vitamin C. It is also a rich source of phytonutrients with antioxidant properties and potentially other versatile health benefits. Citrus fruit peel bioflavonoids have been extensively researched in numerous preclinical and clinical studies.

Supplement Serving Size: 1 Scoop (Approx. 4.2.g) Servi		
Amount F	Per Serving	% DV
Calories	15	
Total Carbohydrates	2 g	< 1%*
Protein	1 g	2%*
Vitamin C (from Calcium Ascorbate, Magnesium Ascorbate, Ascorbic Acid)	1000 mg	1111%
Calcium (from Calcium Ascorbate)	48 mg	4%
Magnesium (from Magnesium Ascorbate)	34 mg	8%
L-Lysine (from L-Lysine HCI)	1000 mg	* *
Citrus Bioflavonoid Complex (Fruit Peel)	200 mg	* *
* Percent Daily Values (%DV) are based on a 2000 * * Daily Values (DV) not established.	calorie diet.	

Other Ingredients: Maltodextrin, Natural Orange Flavor, Orange Juice Powder, Cellulose Gum, Stevia.



Dr. Rath's Phytobiologicals[™] **Basic Formula**



SYNERGY FORMULA

Dr. Rath Phytobiologicals[™] Basic Formula complements the synergy of multivitamins, minerals, amino acids and other micronutrients as a comprehensive natural program for optimum cellular metabolism and a healthy body.

It contains a composition of scientifically defined plant extracts with widely documented effectiveness in cell metabolism and health. These biologically active plant components comprise an important group of micronutrients with a variety of health benefits.

Phytobiologicals are an important element of our diet, providing essential components of antioxidant and other health-enhancing properties.

Key Synergy Nutrients:

Broccoli extract is a source of sulforaphane known for its antiviral, antibacterial, antioxidant, anti-inflammatory and detoxification properties. Quercetin has potent anti-inflammatory and antioxidant properties. It reduces the production and release of histamine from cells, imparting anti-allergic potential.

Curcumin supports colon health, exerts protective action on nerves, and helps maintain a healthy cardiovascular system. It is also a potent anti-inflammatory agent.

Green tea extract provides potent antioxidant benefits to destroy free radicals, which may contribute to various cellular dysfunctions and accelerated aging processes. The anti-inflammatory properties of EGCG have been widely documented.

Resveratrol is known for its anti-aging actions, and also has a role in the protection of cardiovascular health. In addition to its antioxi- dant and anti-inflammatory properties, it is effective in inhibiting platelet aggregation and maintaining normal blood pressure through production of nitric oxide.

Supplemen	t Facts	5
Serving Size: 2 Capsules 5	Servings Per Container:	30
	Amount Per Serving	% DV
Broccoli Extract (5% Sulforaphane Glucosinolate) ((Seeds) 400 mg	**
Quercetin (as Quercetin Dihydrate from Sophora ja	aponica) 400 mg	**
Green Tea Extract (80% Polyphenols) (Leaf)	300 mg	**
Turmeric Extract (95% Curcuminoids) (Root)	300 mg	**
Resveratrol (from Japanese Knotweed) (Root)	50 mg	**
** Daily Value (DV) not established.		

Other Ingredients: Vegetable Cellulose (Capsule), L-Leucine.



Dr. Rath's Phytobiologicals™ Royal Complex





Dr. Rath's Phytobiologicals™ Royal Complex Synergy Formula is a unique combination of specific plant extracts, fatty acids and other active compounds which support the immune system and other functions when the body is experiencing metabolic challenges. This composition of phytonutrients has been scientifically and clinically tested for metabolic efficacy.

Key synergy nutrients:

Baicalein (from Scutellaria baicalensis) is a plant-derived flavone with anti-inflammatory and antimicrobial properties.

Rosmarinic extract has potent antioxidant properties which is important in preventing cell damage caused by free radicals. It has strong anti-inflammatory effects. As an antimicrobial agent, it is used for food preservation and in other related applications.

Coconut oil is high in antimicrobial fatty acids which are important in supporting general immunity. One of its active components, monolaurin (derived from lauric acid) has many documented health benefits.



Royal jelly is a highly nutritious complex produced by honey bees. It is known for its many health benefits including immune system support, antioxidant properties and antimicrobial activity against microbial biofilms. A highly studied active component of Royal jelly is 10-hydroxy-2-decenoic acid (10-HDA) which has been valued for its biofilm dispersing properties.

Luteolin (from Sophora japonica) acts as a cell protectant through its strong antioxidant properties (free radical scavenger) and is also a potent immune system supporter.

Kelp (seaweed) has a long tradition of nutritional and medical uses. Kelp is a good source of iodine, B vitamins, the antioxidant vitamins C and E, calcium and other trace elements. Iodine is important in supporting a healthy thyroid the master gland regulating our body's metabolism, immune defense and other vital functions. Iodine is one of the best oxidizing catalysts and is widely known as an effective antiseptic (antimicrobial) agent.

Serving Size: 6 Capsules Servings Pe	r Container: 3	30
Amount F	Per Serving	%DV
lodine (from Kelp)	300 mcg	200%
Medium Chain Triglyceride (from Coconut Oil Powder)(O2P®)	800 mg	**
Skullcap Extract 10:1 (Root)	600 mg	**
Lyophilized Royal Jelly (6% 10-HDA)	500 mg	**
Rosemary Extract (20% Rosmarinic Acid) (Rosmarinus officinalis)(Leaf)	450 mg	**
Luteolin (Sophora japonica) (Bud)	75 mg	**

Other Ingredients: Vegetable Cellulose (Capsule), L-Leucine. Contains: Tree Nut (Coconut)





We face various external health challenges at any age and in any environment. The cells building our body are exposed to various types of viruses and microbes which use them to multiply and spread.

Good nutrition provides a plethora of natural compounds that help form natural barriers against invading agents and support healthy immunity. Science increasingly shows that many of these compounds can also directly impair the abilities of these agents to invade our body. The entire plant kingdom produces these biologically active substances as powerful protection against viral, bacterial and other pathogenic factors. Many of these plants have been used for centuries to benefit human health.

Key synergy nutrients:

Vitamin C enhances the activity of immune cells, and is required to repair and regenerate collagen which is a critical component of the body's natural barriers. Its documented health benefits include direct interference with the life cycle of viruses and other pathogens. Our body does not produce vitamin C and therefore it must be obtained from the diet.

Broccoli extract is a source of sulforaphane known for its antiviral, antibacterial, antioxidant, anti-inflammatory and detoxification properties.

Quercetin is a strong antioxidant that also enhances the absorption of resveratrol. It has anti-inflammatory properties and is important for healthy lung function. Black tea extract has been known for its multiple health benefits including interactions with cellular receptors used by various agents to enter the cells.

Turmeric extract contains curcumin as its main ingredient. Through their antioxidant mechanisms, curcuminoid compounds support immunity and suppress inflammatory molecules which are responsible for the causes of the damage by viruses.

Baicalin is an active ingredient in Baikal skullcap (Scutellaria baicalensis) a plant which has been used in Eastern medicine for over 1000 years. It is known for its multiple health benefits including antiviral, antimicrobial and antioxidant effects protecting against free radicals and toxins.

N-acetyl-cysteine (NAC) is a stable form of the non-essential amino acid L-cysteine. It is a sulfur-containing amino acid that acts as a stabilizer for the formation of protein structures, and is also necessary for the formation of glutathione. Glutathione is a powerful antioxidant that helps keep cells healthy and protected against free radicals and oxidative stress. It is important for optimum lung health and function.

Naringin is a beneficial flavanone glycoside concentrated from grapefruit peel which gives grapefruit its characteristic bitter flavor. Naringin works synergistically with vitamin C to support cellular defenses.

Resveratrol is a polyphenol synthesized by plants in response to mechanical injury, ultraviolet irradiation and microbial attacks. It is commonly known for its anti-aging and antioxidant properties, however its health benefits are much broader and include antiviral, anti-inflammatory, and lung protective effects.

Supplemen	t Fa	act	S
Serving Size: 1 Capsules	Servings Pe		
	Amount P	er Serving	% DV
Ascorbic Acid		100 mg	111%
Broccoli Extract (5% Sulforaphane Glucosinola	ate) (Seeds)	130 mg	**
Quercetin (as Quercetin Dihydrate)		130 mg	**
Black Tea Extract (25% Theaflavines, <1% Cal	feine) (Leaf)	100 mg	**
Turmeric Extract (95% Curcuminoids) (Root)		100 mg	**
Baicalin (from Scutellaria baicalensis Extract)	50 mg	**
N-Acetyl L-Cysteine		50 mg	**
Naringin (from Grapefruit Extract)		40 mg	**
Resveratrol (from Japanese Knotweed)		25 mg	**
** Daily Value (DV) not established.			

Other Ingredients: Vegetable Cellulose (Capsule), L-Leucine.

Femicell



Women have special requirements for nutrients which vary over the course of a lifetime.

These nutritional needs change under psychological and physiological stress, metabolic changes during the monthly cycle, pregnancy, lactation or the transition to menopause. Although all of these developments are entirely natural, they challenge a woman's body.

Optimum intake of properly combined vitamins and other micronutrients is critical for maintaining hormonal balance, supporting the immune, cardiovascular and nervous systems as well as other body functions during these natural processes.

Key synergy nutrients:

Vitamins C, B6, choline, inositol, and phosphatidylserine support the production of key neurotransmitters and optimal functioning of the nervous system. Brain cells have extremely high requirements for nutrients, in particular vitamin C.

Iodine is essential for normal production of thyroid hormones and control of metabolism.

Vitamins B6 and C and soy isoflavones contribute to regulating hormonal balance and normal psychological functioning.

Selenium, folate and vitamins C and E are important for optimal function of the immune system.

Vitamins B5, B6 and C help in reducing fatigue, insomnia and headaches.

Vitamins E and C and selenium are involved in protecting the cells against oxidative stress.

Soy Extract helps in balancing the female hormones especially, estrogen. Soy isoflavones such as genistein, glycitein, and daidzein offer heart health benefits and reduce the frequency of menopausal hot flashes. They help in improving bone density and reduce complications of osteoporosis.

Red clover contains active phytoestrogens and may help to regulate the menstrual cycle in childbearing years. When used in menopause, the red clover helps in reducing hot flashes, vaginal dryness and osteoporosis.

Chaste tree fruit balances the pituitary hormones, which in turn balance the female hormones estrogen, and progesterone. The hormone balancing may contribute to reduce menstrual pain, premenstrual syndrome, and certain menopausal issues such as hot flashes, and mood swings.

Rosemary extract has potent antifungal and antibacterial properties and improves immune function. The extract also helps to balance estrogen and may help in excessive menstrual bleeding and painful menstruation. It has antioxidant actions that help in improving memory, fatigue, hair loss and other symptoms related to female health.

Supplement Facts Serving Size: 2 Capsules Servings Per Container: 30

/itamin C (as Calcium Ascorbate)	250 mg	278%
/itamin E (as d-alpha-Tocopheryl Succinate)	60 mg	400%
/itamin B6 (as Pyridoxal 5'-Phosphate)	8 mg	471%
Folate (as L-5-Methyltetrahydrofolate Calcium Salt)	100 mcg*	25%
Pantothenic Acid (as Calcium D-Pantothenate)	10 mg	200%
Choline (as Choline Bitartrate)	80 mg	15%
Calcium (as Calcium Ascorbate, Calcium D-Pantothenate)	28 mg	2%
odine (as Kelp)	100 mcg	67%
Selenium (as L-Selenomethionine)	25 mcg	45%
Chaste Tree (Vitex agnus-castus) (Fruit)	80 mg	**
Chaste Tree (Vitex agnus-castus) (Fruit) nositol	80 mg 80 mg	
		**
nositol	80 mg	**
nositol Rosemary Extract (Leaf)	80 mg 50 mg	**
nositol Rosemary Extract (Leaf) Red Clover (Flower)	80 mg 50 mg 35 mg	**
nositol Rosemary Extract (Leaf) 8ed Clover (Flower) Daidzein (from Soy Extract)	80 mg 50 mg 35 mg 21 mg	**
nositol Rosemary Extract (Leaf) Red Clover (Flower) addzein (from Soy Extract) Phosphatidylserine (from Sunflower)	80 mg 50 mg 35 mg 21 mg 15 mg	**

Other Ingredients: L-Leucine, Vegetable Cellulose (Capsule). Contains: Soy

PhytoPro M

SYNERGY FORMULA



The prostate gland is a part of the male reproductive system situated deep within the pelvis below the urinary bladder. It produces a fluid that contains many enzymes including prostate-specific antigen (PSA) and contributes to the fluidity of semen. The male sex hormone testosterone is converted into its potent metabolite, dihydrotestosterone (DHT), in the prostate by the enzyme called 5-alpha reductase. DHT is thought to play a critical role in prostate growth in aging men. The urethra, a tube that carries urine from the bladder for excretion, passes through the prostate. Therefore, swelling or enlargement of the prostate due to any reason presents as urinary complaints and the first indication of prostatic problems.

Key synergy nutrients:

Saw palmetto is extracted from the berries of a tree from the palm family. This plant is well known to improve prostate health due to its antioxidant and anti-inflammatory properties. In addition, saw palmetto has been shown to inhibit 5-alpha reductase enzyme responsible for the conversion of testosterone to DHT. It also works by relaxing the smooth muscles of the urinary tract. This in turn increases the urine flow and reduces the frequency of urination and urinary incontinence. Saw palmetto may also help in preventing hair loss and male pattern baldness.

Pumpkin seed extract also has anti-inflammatory and antioxidant properties and benefits prostate health. Several studies have shown that pumpkin seed extract may help with overactive bladder and reduces related symptoms such as urgency and frequency of urination which are hallmarks of an enlarged prostate gland. Pumpkin seed oil prevents the accumulation of DHT within the prostate gland by inhibiting the activity of 5-alpha reductase. Nettle root extract is well known for its astringent properties and as a urinary tonic. Owing to its anti-inflammatory, anti-viral, and immune-modulating properties it is widely used in a variety of problems affecting the genitourinary tract. The astringent properties of nettle root help in strengthening the muscles of the urinary tract and regulate the capacity of the urinary bladder, optimizing the urine flow and efficient bladder emptying.

Beta-sitosterol is a type of healthy cholesterol derived from fruits, vegetables, seeds, and nuts. It works along with saw palmetto to regulate enzymes involved in testosterone metabolism. It helps in increased urinary flow, optimum emptying of the urinary bladder, and other discomforts associated with an enlarged prostate. Beta-sitosterol is also shown to reduce the production of abnormal cells in the prostate and induce abnormal cell death. Beta-sitosterol helps in the regulation and maintenance of healthy cholesterol levels by lowering the amount of LDL ('bad') cholesterol. It can also be useful to improve athletic performance and reduce post-workout stress.

Pomegranate fruit extract has anti-inflammatory, antioxidant and anti-proliferative properties and may reduce swelling and abnormal cell growth in the prostate gland and induce apoptosis.

Lycopene is a red carotenoid specifically present in tomatoes, pink grapefruit, watermelon, papaya, and guava. It is a potent antioxidant and anti-inflammatory agent. The anti-cancer potential of lycopene protects the DNA against damage and reduces abnormal cell proliferation in the prostate gland and induces apoptosis.

Genistein is one of the isoflavones abundantly found in soy-based foods. With its antioxidant and anti-inflammatory properties, genistein has been shown to reduce inflammation and excessive cell growth in the prostate gland and also to inhibit cell invasion.

Supplement Facts Serving Size: 4 Capsules Servings Per Container: 30 Amount Per Serving % DV 600 mg Saw Palmetto (Serenoa repens) Berries Extract (45% Fatty Acids) Pumpkin (Cucurbita pepo) 600 mg Seed Extract (4:1) 300 mg Nettle (Urtica dioica) Root Extract (0.8% Stigmasterol) Beta Sitosterol 200 mg Pomegranate (Punica granatum) 200 mg Fruit Extract (60% Polyphenols Genistein 30 mg Lycopene 7.5 mg * Daily Value (DV) not established.

Other Ingredients: Vegetable Cellulose (Capsule), Rice Flour.

Vitamin D3+K2



Vitamin D and vitamin K are fat-soluble vitamins. Vitamin D is commonly referred to as the sunshine vitamin because sunlight is required for the production of vitamin D in the skin. While the inactive form of vitamin D is produced in the body during sun exposure, healthy liver and kidneys are also essential for the conversion of inactive vitamin D into its active form.

Vitamin K is produced in a healthy digestive system by the gut microbes. The most important function of vitamin K is blood clotting and preventing excessive bleeding after an injury. Vitamin K also has other health benefits including its actions in the cardiovascular system, in bone health, and its anticancer properties. Specifically, vitamin K2 helps in the inhibition of arterial calcification and arterial stiffening.

Although vitamins D3 and K2 individually are very important micronutrients, their combination acts as a synergistic team to provide more pronounced benefits



Key Health Benefits of Vitamin D3+K2

Bones: Minerals such as calcium and phosphorus are crucial for bone health. Vitamins D3 and K2 are essential for the absorption of calcium from the blood and maintaining strong and healthy bones. Deficiency of vitamin D can lead to weak bones and joints due to a lack of available calcium and phosphorus. Vitamin K2 activates specific proteins in the body that help maintain the optimum calcium balance and improve bone mineral density. Due to their actions on bone mineralization, vitamins D3 and K2 also help maintain strong and healthy teeth and gums.

Cardiovascular system: An adequate intake of vitamins D3 and K2 helps to lower the risk of vascular damage, supports healthy blood sugar levels, and promotes overall heart health. It also aids in the prevention of atherosclerotic plaque buildup by reducing calcium accumulation in arteries.

Immune system: The combination of vitamins D3 and K2 supports improved immunity by stimulating specific proteins in the respiratory tract and providing protection against respiratory infections.

Nervous system: Vitamin D3 is known to elevate mood and reduce depression and anxiety, and improve memory. Both vitamins D3 and K2 play crucial roles in protecting neurons from oxidative stress and inflammation.

Antioxidant properties: As a potent antioxidant vitamin D3 protects cell membranes from free radical damage. The combination of vitamin D3 and K2 has anticancer properties, and can suppress the genetic processes leading to tumor growth.

Serving Size: 1 Capsule	Servings Per Conta	ainer: 60
A	Amount Per Serving	% DV
Calcium (as Calcium Carbonate)	210 mg	16%
Vitamin D3 (as Cholecalciferol)	125 mcg	625%
Vitamin K2 (mk-7)(as Menaquinone	e-7) 100 mcg	**
BioPerine® (Black Pepper Fruit Ext	ract) 5 mg	**

Other Ingredients: Vegetable Cellulose (Capsule).

Omega-3 EPA/DHA



Fish oil is a natural rich source of eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA). EPA and DHA are critical for optimum function of multiple organ systems and maintaining overall health.

Key Health Benefits of Omega-3 EPA/DHA

Cardiovascular system: Omega-3 fatty acids from fish oil have been shown to help maintain optimum blood levels of triglycerides and cholesterol carrying lipoproteins (LDL and VLDL) that have been associated with atherosclerotic plaques and blockages in the blood vessels. Omega-3 fatty acids can benefit in lowering the risk of metabolic syndrome which includes obesity, high blood pressure and high blood sugar.

Nervous system: EPA and DHA are vital during growth and development, especially in pregnancy and childhood. They support optimal development of the brain, the spinal cord and the entire nervous system. Moreover, it has been shown that DHA improves focus and concentration in children and adults and may help reduce effects of brain aging.

Anti-inflammatory: Long-term inflammation is a cause of many of the chronic conditions including cardiovascular diseases, inflammatory bowel conditions, rheumatoid arthritis, and cancer. Omega-3 fatty acids may have a potent protective effect through antioxidant and antiinflammatory actions. EPA and DHA support the liver and digestive system functions, and promote joint and bone health. Omega-3 fatty acids help increase bone formation, affecting peak bone mass in adolescents and reducing bone loss.

Healthy Skin: Fish oil helps increase hydration of the skin and thereby can promote reduction of dry and itchy skin, and protect from sun damage, signs of aging and other skin conditions.

Supplem Serving Size: 1 Softgel		
Am	ount Per Serving	% DV
Calories	12	
Calories from Fat	10	
Total Fat	1.2 g	2%*
Cholesterol	12 mg	3%*
Fish Oil	1200 mg	**
Omega-3	720 mg	**
EPA	432 mg	**
DHA	288 mg	**
* Percent Daily Values (%DV) are based on a 2000 calorie diet. ** Daily Values (DV) not established.		

Other Ingredients: Gelatin, Glycerol, Water, Natural Lemon Flavor. Contains: Fish (Anchovy)



SYNERGY FORMULA

Healthy Probiotics

BASIC FORMULA



studies Lactobacillus paracasei Lpc-37 prevented development of stress-associated anxiety and improved cognition.

Lactobacillus plantarum can be found in many fermented food products including sauerkraut, pickles, brined olives, and kimchi. This bacterial species has antidiabetic, anti-obesity, and anti-inflammatory properties. It can produce vitamin B2 (riboflavin) and B9 (folate), and increase iron and calcium absorption.

Bifidobacterium lactis is found in fermented dairy foods such as yogurt and kefir. It plays an important role in easing digestive symptoms and optimizing absorption of nutrients. These bacteria aid in the digestive system health by enhancing secretion of protective substances which in turn prevent the growth of harmful bacteria, and they also have anti-inflammatory and immune balancing properties.

Marine Polysaccharide Complex and Fructooligosaccharide are prebiotic fibers that increase growth and diversity of healthy gut microbiome. Their metabolites have a broad spectrum of beneficial properties, including anti-inflammatory and antioxidant effects.

	Am	ount Per Serving	% DV
Proprietary Blend of Probiotic Back MAKTREK® (Bi-Pass Technology Lactobacillus acidophilus (La-14) Bifidobacterium lactis (BI-04) Lactobacillus plantarum (Lp-115) Lactobacillus paracasei (Lpc-37) Marine Polysaccharide Complex Fructooligosaccharide		40 Billion CFU	**

Marine Nutrient Complex



Sea vegetables are often regarded as superfoods due to an exceptionally broad spectrum of nutrients. Due to being rich in a wide array of minerals, vitamins, amino acids, omega-3 fatty acids, carotenoids and other antioxidants, many algae were a source of food for our ancestors. Nowadays we understand better how various bioactive compounds in algae, phytoplankton and other marine plants can benefit our health.

Trace minerals in algae, in particular iodine present in Irish moss and bladderwrack and also zinc and selenium, are critical for optimal function of the thyroid gland which controls the body's metabolism, function of the heart, brain, digestive system, and muscles and bones. The vitamins, amino acids, omega-3 fatty acids, and antioxidants in these algae are beneficial in reducing the risk of stroke and heart disease as well as improving mental clarity and mood by acting as "food for the brain". They can "recharge" our cells, enhancing the body's energy and vitality.



Key Synergy Nutrients:

Irish Moss is an edible red seaweed that is rich in various micronutrients, including iodine. Iodine is essential in the production of thyroid hormones, which in turn are critical in regulating metabolism, energy production, heart function, and the growth of bones and muscles. Compounds such as fucoxanthin and alginate may support regulation of blood sugar level while the antioxidant properties of Irish moss can help in protecting against free radical damage, environmental pollutants, and smoking. It is also shown to have anti-inflammatory and neuroprotective properties.

Bladderwrack is a type of brown seaweed that is a rich source of vitamins (A, B12, C), minerals including iodine, calcium, magnesium, potassium, and zinc and phytochemicals such as fucoidan. Bladderwrack is known to aid in digestion, improve immunity, and support healthy liver and overall metabolism. The phytochemicals fucoxanthin and phlorotannin also support the antioxidants and anti-inflammatory properties of bladderwrack.

Burdock is a plant related to daisies and sunflowers. It is a good source of vitamins, minerals and amino acids helpful in nourishing the skin, hair and nail growth. Burdock contains phenolic acids and luteolin, which protect from free radical damage and help reduce complications of widespread inflammation. It also contains a compound called inulin, which is a prebiotic fiber. Inulin aids in digestive health, and helps in maintenance of normal blood pressure and blood sugar levels. The unique antibacterial properties of burdock are useful in killing bacteria hidden in biofilms and reducing infections at various sites in the body.

Supplement Facts

Serving Size: 2 Capsules	Servings Per Conta	iner: 30
	Amount Per Serving	% DV
Organic Irish Moss (<i>Chondrus crispus</i>) (whole pla	500 mg ant)	**
Organic Bladderwrack (Fucus vesiculosus) (whole p	500 mg lant)	**
Organic Burdock (<i>Arctium lappa</i>) (root)	400 mg	**
BioPerine® (Black Pepper Ex (<i>Piper nigrum</i>) (fruit)	ktract) 5 mg	**
** Daily Values (DV) not established		
Other Ingredients: Pullulan (Ca	apsule).	29

Our overall health and immunity largely depend upon a healthy digestive system and the beneficial bacteria (gut flora) living in it. The trillions of healthy bacteria in the large intestine aid in digestion and absorption of nutrients from food. These bacteria are important in alleviating gas, bloating, constipation, heartburn and indigestion and also have many other health benefits outside the gastrointestinal tract. An unhealthy diet, artificial food additives, medicines and stress can create an imbalance between healthy and harmful bacteria in the colon that can lead to many diseases. Therefore, restoring a healthy gut environment is crucial for health and well-being.

Probiotics and Prebiotics in Dr. Rath's Healthy Probiotics Basic Formula

Lactobacillus acidophilus is commonly present in yogurt and fermented foods. These bacteria convert sugars into lactic acid and hydrogen peroxide which inhibit growth of harmful bacteria in the intestines. In animal studies Lactobacillus acidophilus La-14 has been shown to have protective effects on the liver and the ability to modulate immune responses in the respiratory system.

Lactobacillus paracasei is found in milk and other dairy products. It can also be isolated from other fermented foods, wine and sourdough. These probiotic bacteria help improve digestion and have immune boosting and anti-inflammatory properties. They prevent gastric mucosal lesions and inhibit fat tissue accumulation. In animal

Phyto-Magnesium



Magnesium is an essential mineral required for every cell to function optimally. It is the most prevalent intracellular divalent cation and the fourth most abundant cation in the body. Yet more than 50% of the US population does not meet the daily requirement for this critical mineral. Magnesium plays a vital role in overall health. It acts as a cofactor in more than three hundred enzyme systems that regulate diverse biochemical reactions throughout the body, including DNA repair, protein synthesis, blood pressure, blood sugar level, and muscle and nerve function. Magnesium is critical for cellular energy metabolism. ATP, the universal energy currency of cells, binds to the magnesium ion (Mg2+) to compose biologically functional complexes. And dysregulation of Mg2+ homeostasis is involved in various cellular malfunctions.

Key health benefits of magnesium:

Mg

30

Cardiovascular system: Magnesium is involved in regulation of collagen and elastin turnover in the vascular wall. It helps to protect the elastic fibers from calcium deposition and maintains the elasticity of the blood vessels. Magnesium is a natural calcium antagonist. It potentiates the production of local vasodilator mediators (prostacyclin and nitric oxide) promoting relaxation of the blood vessels, and alters vascular responses to a variety of vasoconstrictors (endothelin-1, angiotensin II, and catecholamines). Magnesium also plays an important role in lipid and sugar metabolism. It aids in lowering the so-called bad cholesterol (LDL) and triglycerides levels and increasing good cholesterol (HDL). It helps improve insulin-sensitivity and promotes healthy blood glucose levels.

Nervous system: Magnesium is indispensable for proper functioning of the brain and the nervous system. It is essential for the survival and function of neurons through its involvement in the formation of membrane phospholipids, myelin sheath, synapses and signal transduction. Magnesium plays a critical role in learning, memory, and overall cognitive wellbeing. By activating the parasympathetic nervous system, magnesium aids in reducing the stress response and induces relaxation by stimulating the production of melatonin and serotonin. Stress reduction may help improve sleep and reduce stress induced headaches and other aches and pains in the body.

Bones and muscles: Approximately 50-60% of the total body magnesium is found in the bones. Magnesium has a pivotal role in growth and repair of bones both directly - through regulation of the activity of bone cells (osteoblasts/ osteoclasts) and indirectly through its influence on the parathyroid hormone secretion and activation of vitamin D, among many others. Due to its anti-inflammatory potential, it helps in building up bones and reducing bone and joint degeneration. Magnesium is also important for proper contraction and relaxation of the muscles, including the heart muscle. By increasing the energy production and muscle strength, magnesium also helps in exercise endurance and reduces fatigue.

Skin and hair: Owing to the role of magnesium in helping natural production of collagen, it helps in building and maintaining healthy skin, and promotes hair growth and reduces hair loss.

Serving Size: 1 Scoop (3.7g)	Servings Per Container: 70
	Amount Per Serving %
Magnesium	350 mg 83
(from Pristine Irish Seawater & Icelan	idic Red Algae) (Aquamin®)
** Daily Value (DV) not established.	

Kids Immune Essentials



Children are more prone to getting infections than adults. Their immune system is still developing, and it is difficult to get them to understand and practice proper hygiene. They get exposed to more infections due to their close proximity with other children and adults. There is also an increasing rate of allergies among children. They happen when the immune system fights harmless foreign substances called allergens, such as dust mites, pollen, pet dander, and food.

Key synergy nutrients:

Vitamin C is the most essential antioxidant to improve immunity and it is not produced in our bodies. In addition to enhancing function of the immune cells, vitamin C also improves the immunity by strengthening the physical barriers of infection such as the mucosal lining of the nose or epithelial cells in the skin. Regular supplementation of vitamin C may also help in reducing the duration of illness.

Vitamin D can modulate the immune system responses, both innate and adaptive, and thus may play an important role in the development, severity and course of various allergies. It is also known to protect against viruses and bacteria affecting the upper respiratory tract as well as to provide antioxidant and anti-inflammatory protection.

Zinc is also useful in strengthening the immune function by increasing activity of the white blood cells. It can prevent replication of viruses in the nasal passages and may help in reducing the chances or severity of respiratory infections. It is also known for its regulatory role in allergic responses.

Proprietary Immune and Seasonal Support Blend

is a combination of guava leaf extract, citrus bioflavonoids, elderberry extract, bromelain, and quercetin. These plant extracts are known for their immune-modulating and antiviral and antioxidant properties which can be especially helpful in limiting the respiratory symptoms.

All the ingredients in the Dr. Rath Kids Immune Essentials formula are derived from quality organic sources and the chewable tablets are kid-approved grape flavor.

Supplement Fa		
	Per Serving	30 % DV
Vitamin C (from Organic Acerola Extract) Vitamin D3 (as Cholecalciferol from Organic Algae) Zinc (from Organic Guava Leaf Extract)	22.5 mg 5 mcg 2.75 mg	25% 25% 25%
Proprietary Immune and Seasonal Support Blend: 50 mg Organic Guava Leaf Extract, Citrus Bioflavonoids, Elderberry Fruit Extract, Bromelain, Quercetin Dihydrate		
** Daily Value (DV) not established.		

Other Ingredients: Organic Agave Inulin Powder, Organic Pea Starch. Organic Xylitol, Organic Tapioca Dextrose, Organic Medium Chain Triglycerides, Organic Beet Root Powder, Organic Stevia Extract Powder (Reb A), Natural Flavors, Silica, Citric Acid.



Vitamin C Botanicals Skin Serum



Every day our skin is exposed to multiple challenges both from the outside and inside. Harsh weather, air pollution, bad habits such as smoking, lack of sleep, or unhealthy diet all combined with the eventual aging processes negatively affect the health and appearance of the skin. Healthy, good looking skin has not only esthetic value, but it is a functional protective barrier against various harmful threats, while proper and effective skin care is one of the easiest ways to ensure the long-term health and radiance of the skin.

The specific combination of essential vitamins and powerful botanicals in Vitamin C Botanicals Skin Serum provides natural support for maintaining healthy looking skin, restoring its healthy appearance, improving hydration, and providing nourishment and protection to encourage firmer, brighter, and youthful-looking skin.

The Key Benefits of Vitamin C Botanicals Skin Serum:

Foundation for Healthy Skin. Topical application of vitamin C is the basis of many skin care routines. Vitamin C supports collagen production which is crucial for maintaining a firm, smooth skin appearance and repairing skin damage. The synthesis of collagen, hyaluronic acid and keratohyalin by skin cells is also supported by MSM, an organic form of sulfur which is important for body structure and function.

Hydration and Smoothness. The botanical hyaluronic acid, aloe vera and jojoba oil deliver intense hydrating and soothing effects for all skin types. Vegetable glycerin has moisturizing power improving skin smoothness and suppleness, and safeguards from the irritation of environmental stressors such as wind and cold. Jojoba oil may also help regulate sebum production as it is very similar to the sebum that our body produces naturally. It seals moisture in the skin without clogging pores or exacerbating acne.

Soothing and Anti-inflammatory Protection. Horsetail, geranium and dandelion extracts offer a wide spectrum of antimicrobial and anti-inflammatory properties which benefit in fighting acne and healing rashes and irritation. In addition, horsetail is a rich source of silica which is important for optimal collagen synthesis and, as an astringent it tightens skin pores. Due to its antioxidant properties it can help slow skin aging and provide photoprotective effects and improve wound healing. Dandelion extract can help reduce fine lines and tone unbalanced skin. It has detoxifying properties that rid the skin of toxins that clog pores and cause acne. Together with vitamins C and E it supports the skin's natural healing processes reducing the appearance of scars and skin inflammation.

Improved Nourishment. Proper blood circulation is important for healthy function and appearance of the skin by providing vital oxygen and nourishment to all skin cells. Gotu kola is well known for its ability to improve blood circulation. This accelerates the skin healing processes and reduces the appearance of broken capillaries. It is rich in antioxidants and also helps fight off free radicals, while triterpene saponins aid in keeping the skin tighter and firmer.

Restoration of Skin Damage. Vitamin E assists in various kinds of cellular restoration from sun damage to healing of scars or burns. Vitamin E together with vitamin C, botanical hyaluronic acid and other plant extracts promote strengthening of skin barrier function and provide moisturizing and healing benefits.

Brightening and Toning. Vitamin C can help in preventing the formation of dark spots, e.g., sun and/ or age spots and correcting existing spots. It can decrease production of pigment (melanin) and contribute to antioxidant protection thereby enhancing the natural radiance of the skin.

Ingredients: Deionized Water, Aloe Vera Leaf (Aloe Barbadensis), Vitamin C (Sodium Ascorbyl Phosphate), MSM (Methylsulfonylmethane), Botanical Hyaluronic Acid (Cassia Angustifolia), Witch Hazel (Hamamelis Virginiana), Carbomer, L-Arginine, Vegetable Glycerin, Jojoba Oil (Simmondsia Chinensis), Rose Ether (Phenoxyethanol), Octoxyglycerin, Vitamin E (d-alpha Tocopheryl Acetate), Gotu Kola (Centella Asiatica), Horsetail (Equisetum Arvense), Geranium (Pelargonium Graveolens), Dandelion (Taraxacum Officinale).

No parabens, sulfates, artificial dyes or fragrances. Cruelty-free and vegan.

Investing in Healthcare Today and Tomorrow

Our activities are not-for-profit. Profits from the sales of all Cellular Health Synergy Formulas are directed to the Dr. Rath Humanities Foundation which supports research education, public health education and other non-profit social causes.

Ongoing laboratory and clinical research on the role of micronutrients in various aspects of health are taking place at the state-of-the-art Dr. Rath Research Institute facility in California in the pursuit of helping people lead longer, healthier lives.



The Quality and Integrity of Dr. Rath Cellular Health Synergy Formulas

We are committed to provide the highest quality, effective and safe health products. While it is important to know what is included in every bottle of supplements, it is equally important to assure what is not included. Dr. Rath Cellular Health Synergy Formulas are free of gluten, yeast, MSG, trans-fats, dairy, wheat, peanuts, BSE, heavy metals, GMO's, irradiation, pesticide residues, microbial contamination, artificially sourced colors and flavors, and chlorinated compounds.

Capsules: All capsules are vegetarian and are not the much less expensive pork or bovine capsules.

Bottles: All bottles we use to package our capsules are white, made of HDPE. The bottles protect the contents from exposure to light, oxidation and moisture.

Oxidation: Some natural products may be exposed to moisture when stored. To keep this from happening, we include silica gel packs to remove moisture and keep the product in the bottle as fresh and natural as possible.

Sources of ingredients used in the Dr. Rath Cellular Health Synergy Formulas include: Papaya, pine bark, marigolds, sugar beets, green tea leaves, citrus fruits, grape seeds, pineapple, sea algae, coconuts, turmeric, cruciferous vegetables, Japanese knotweed, carrots and many others.

All raw materials undergo an extensive testing process.

We hope that after reading this you will have a better understanding of the great lengths we go to in ensuring that the Dr. Rath Cellular Health Synergy Formulas are not only the most effective but also contain natural and safe ingredients providing the highest value for every consumer.

For an in-depth explanation of the Dr. Rath Cellular Health Synergy Formulas, visit your local health food store. The knowledgeable staff will help you choose the formulas that best address your health concerns.

For more information or to find the store near you, visit www.DrRath.com





Matthias Rath, M.D. is the world renowned physician and scientist who led the breakthrough in the area of vitamins and cardiovascular health. He received the world's first patents for the natural reversal of cardiovascular disease.

Dr. Rath developed the unique Cellular Health Program based on years of scientific research. Cellular Health Synergy Formulas provide nutrients essential for optimum health for everyone.

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