

A GMP PRODUCT
MONTIFF INC

DON TYSON'S ADVANCED NUTRACEUTICALS

VAS-CU-CARE™

An Endothelial Support System



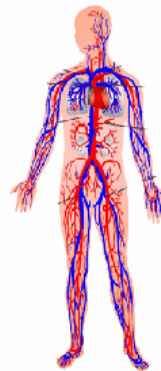
Vas-Cu-Care™ is a blend of amino acids, vitamins, minerals, and antioxidants that support the endothelial system of the body for artery, vein, and capillary health.

RECOMMENDED FOR:

- Heart support
- Prevention of damage to the heart from free radicals
- Reducing and prohibiting homocysteine, which can lead to heart attacks and strokes
- Those with existing coronary problems
- Those who want to improve their cardiac health
- Supporting the vascular system and helping to increase blood flow
- Those experiencing vascular problems
- Individuals who have a family history of vascular disease
- Helping to manage hypertension
- Supporting the endothelial system
- Helping to manage Atherosclerosis by assisting in the production of Nitric Oxide.

WHAT IS NITRIC OXIDE AND ITS RELATIONSHIP TO ARGININE?

- Nitric Oxide (NO), a small molecule synthesized from Arginine in the body, is the endothelial relaxing factor (EDRF). It plays an essential role in the regulation of vascular homeostasis.
- In the cardiovascular system, Nitric Oxide's important functions are for the modulation of cardiac contractility, regulation of vascular tone, and the prevention of vessel injury and Atherosclerosis. It is also an important free radical scavenger.
- Studies at major universities, as well as studies funded by the National Heart, Lung, and Blood Institute support the importance of Nitric Oxide, its role in the endothelial-vascular system of the body, and its relationship to Arginine supplementation.
- A study "Effect of L-Arginine on Plasminogen-Activator Inhibitor in Hypertensive Patients with Hypercholesterolemia" in "The New England Journal of Medicine", Jan. 28, 1993 by Korbut, PhD., Bieron, M.D. and Gryglewski, M.D. discussed patients with high blood pressure and high cholesterol who were administered IV Arginine HCL. The infusion of L-Arginine was associated with a decrease in the plasma PAI and cholesterol levels as well as normalization of blood pressure in the hypertensive patients with hypercholesterolemia.



WHAT IS THE ENDOTHELIAL SYSTEM AND WHAT IS THE IMPORTANCE OF ARGININE?

- The endothelial cells are critical to healthy arterial/venal function. They surround the smooth muscle rings and expand the artery's diameter, affecting the blood carrying capacity.
- They originate on the outside of the artery and weave through the walls
- These cells, like human cells, require oxygen and nutrients, and Arginine is essential for their proper function.
- Endothelial cells make Nitric Oxide (NO) from Arginine, which is responsible for the endothelial relaxing factor (EDRF), and plays an essential role in the regulation of vascular homeostasis.
- In the cardiovascular system, Nitric Oxide's important functions are for the modulation of cardiac contractility, regulation of vascular tone, and the prevention of vessel injury and atherosclerosis. It is also an important free radical scavenger.
- Recent studies suggest that damage from hypertension, high cholesterol, and other coronary heart disease factors impairs the ability of the endothelium to produce necessary Nitric Oxide.

WHAT ARE SOME OF THE OTHER BENEFITS OF VAS-CU-CARE™?

The highest quality amino acids and other nutraceuticals are used in VAS-CU-CARE™, as well as all other Montiff products. Desiccant pads are included to ensure freshness. This product is enclosed in a vegetarian encapsulation.

L-CITRULLINE enhances the production of Arginine in the kidneys, thus helping to increase Nitric Oxide interaction and conversion of L-Arginine.

L-CARNITINE is an amino acid, synthesized in the human liver and found in red meat (not found in vegetable forms of protein).

- Carnitine is important in maintaining a healthy cardio-vascular system and is essential for fat metabolism, increasing HDL levels, and reducing triglycerides.
- High levels of carnitine are found in the heart muscles and function to supply the heart with the metabolic energy necessary to pump.
- It can protect the heart from myocardial ischemia and benefit people who suffer from angina pectoris.
- Carnitine improves arrhythmias, prevents congestive heart failure, may prevent myocardial necrosis, and helps improve the recovery rate of those with myocardial infarctions.
- Supplementation of carnitine has been shown to improve walking capacity of those suffering from pain caused by blockage in the major arteries (or intermittent claudication).
- L-Carnitine Fumarate is an active form of carnitine, for increased bioavailability.

HOW DO ANTIOXIDANTS PROTECT AGAINST HEART & VASCULAR PROBLEMS?

Free radicals are oxygenated molecules that enter the body from food, water, and air and occur from biochemical processes from within. They attack and damage tissue in the heart and throughout the body. They also oxidize lipids, increasing LDL cholesterol and the chance of atherosclerosis. Antioxidants act as inhibitors of lipoprotein oxidation

and thus reduce the risk of cardiovascular disease, as well as protect the cardiac cells from their harmful effects



ANTIOXIDANTS IN VAS-CU-CARE™ ARE:

VITAMIN E

- Is especially important in cardiac health and numerous studies in major universities support the benefits of Vitamin E for prevention of heart attacks, reducing serum cholesterol, as well as for vascular health.
- Vitamin E has an effect on prostaglandins. Medical research has noted the important anti-platelet aggregation properties of Vitamin E and its influence in vascular disease. Thus, it helps to prevent blood clots and is often used in conjunction with aspirin to help decrease the incidence of heart attacks and strokes.

ALPHA LIPOIC ACID

- One of the most powerful antioxidants, alpha lipoic acid increases Glutathione levels in the cells, and enhances the activity of other antioxidants, especially E and C.
- ALA provides antioxidant protection against LDL's, helping to prevent fatty deposits on arterial walls.
- Ischemia-reperfusion injuries, which occur in conditions such as stroke, cardiac arrest, and head trauma result from the release of free radicals during reoxygenation of tissue that has become hypoxic. Since ALA is efficacious in preventing ischemia-reperfusion injuries, it may be important to patients who have strokes, cardiac infarction, and open-heart surgery.

SELENOMETHIONINE (Chelated Mineral Compound)

- Methionine, an amino acid, aids in the maintenance of Glutathione pools. Combining it with selenium enhances its bioavailability. Methionine disorders are associated with the presence of homocysteine, which is correlated with heart attacks and strokes. Folic acid is also very important for the prevention of excessive homocysteine as well as other B vitamins necessary for proper metabolism.

TAURINE

- An amino acid found in meat and absent in vegetarian diets, has several functions, including the regulation of the potassium-sodium-calcium-magnesium flux for proper heart muscle function. It is also an antioxidant and potentiates vitamin E activity.

POTASSIUM

- A mineral critical for heart cell metabolism.

BLUEBERRY EXTRACT

- Rich in antioxidant and anti-inflammatory properties, blueberry extract contains high amounts of flavonoids, polyphenes, and anthocyanins. Researchers at the USDA Human Nutrition Center (HNRCA) studied blueberries and found that they had the highest antioxidant capacity when compared to 40 other fresh fruits and vegetables.

A Three In One Formula

Three Capsules Contain: Vitamin C 190mg, Vitamin E 225 i.e. (d'alphatocopheryl succinate), Pyridoxal-5'-Phosphate (active form B-6) 30mg, Vitamin B-12 300mcg, Folic Acid 600mcg, Magnesium Oxide 9mg, Chromium (Chromium Polynicotinate) 30mcg, Potassium (Potassium Aspartate) 15mg, in a proprietary blend of L-Arginine, L-Citrulline, L-Carnitine Fumarate, Taurine, and Quercetin of 1551mg. Containing Additional Antioxidants of Pine Bark (95%) 30mg, Alpha Lipoic Acid 5mg, and Blueberry Fruit Extract 15mg.

Directions: Take 2 to 3 capsules at breakfast and dinner or as directed by a health care professional. Packaged 120 Capsules Per Bottle.

OPTIONAL: May be used in special cases with additional Montiff Vaso-Lene™.

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