

PROANTHENOLS® 100

Protect Your Cells with Real OPCs[◇]



Why should I take Proanthenols? Proanthenols contains real antioxidant protection based upon 50 years of research by Dr. Jack Masquelier and Berkem Laboratories in Southern France. The main ingredient, “Real OPCs™”, extracted from grape seeds and pine bark, provides superior antioxidant protection that is 50 times more powerful than vitamin E and 20 times more powerful than vitamin C. And, Proanthenols helps all other antioxidants (including vitamins C and E) work better! Real OPCs protect your cells against free radical attack and support the collagen structure of all the organs in your body.[◇] Proanthenols is definitely one of our most significant products.

Antioxidants Protect Against Free Radical Attack

Cigarette smoke, air pollution, alcohol, drugs, radiation, and chemicals — what do all these have in common? They generate free radicals, which cause “oxidative stress”. Free radicals attack many of your vital cellular components, including cellular membranes and DNA. They also stimulate processes that have been linked to accelerated cellular aging.

Proanthenols contains the exclusive Real OPCs extracted by Berkem Laboratories from both grape seeds and pine bark as based on research by Dr. Jack Masquelier, Professor from the University of Bordeaux in Southern France. He discovered this class of nutrients, which are known collectively as Oligomeric ProanthoCyanidins, in the late 1940’s. Continued research since then has resulted in this wonderful

natural extract. The Real OPCs in Proanthenols are 100% bioavailable and 100% residue-free.

Real OPCs Make the Difference

It is important to understand the difference between Real OPCs and ordinary grape seed extracts, which are often nothing more than ground-up or slightly extracted grape seeds. Independent laboratory tests have shown the Real OPCs extract in Proanthenols to be more reliable at neutralizing free radicals than other grape seed extracts.

OPCs are classed with the broad group of naturally occurring antioxidant substances found in plants known as polyphenolic flavonoids. Dr. Masquelier has shown that OPCs are present in literally hundreds of plants. However, two of the best sources are grape seeds and pine bark, from which OPCs are extracted. Berkem Laboratories

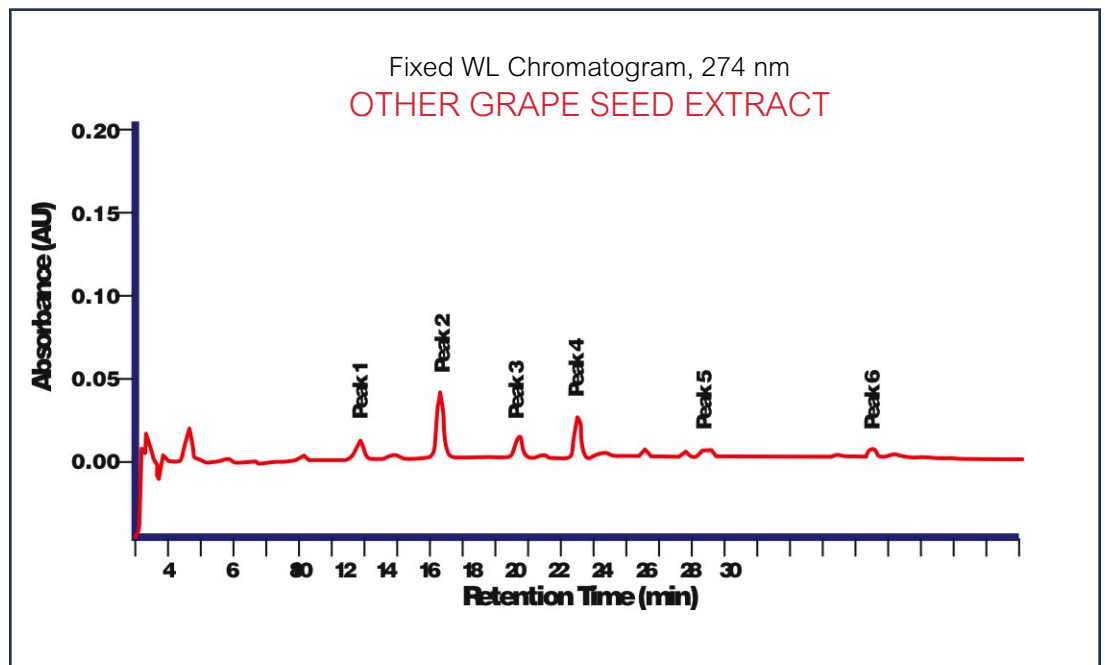
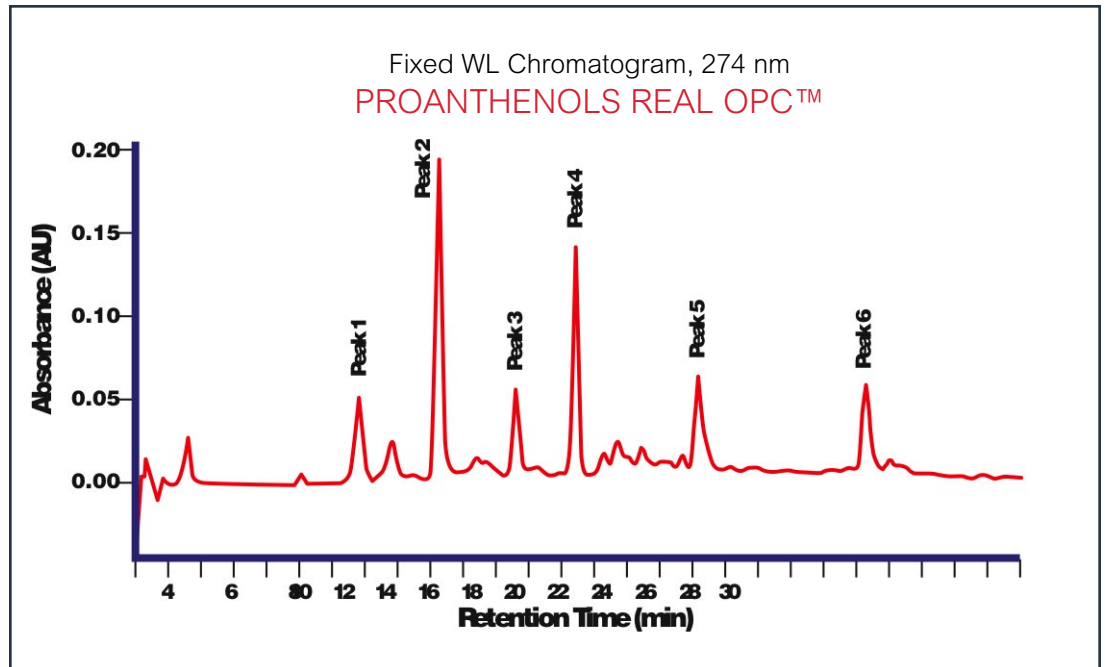
in Southern France is the most knowledgeable and experienced company in the world that produces high-quality OPC extracts.

Berkem worked closely with Dr. Jack Masquelier for many years, perfecting the commercial extraction technique based on his scientific protocols over several decades. The resultant product contains the purest, most consistently reliable OPC available – the standard against which all others are compared.

Unfortunately, the terms “grape seed extract” and “pine bark extract” have generally been used by companies to make their products more marketable. One thing is certain, generic grape seed or pine bark extracts are not comparable to high-quality Real OPCs; these generic extracts are worlds apart from the composition of Real OPCs, and so are their health-supporting benefits.

Proanthenols stand head and shoulder above other OPC products

The above illustration shows a graphic example of the difference between two natural extracts; the size of the peaks is a measure of the amount of each OPC compound in the respective extract. If you want the benefits of OPC, it is important to buy "Real OPCs," not just grape seed extract. This assures that you are receiving the best! OPCs produced by Berkem Laboratories are highly specialized, proprietary, and are pure, potent, biologically active, and bioavailable. This sets Proanthenols worlds apart from regular grape seed and pine bark extract products.



French Explorer Jacques Cartier

From a historical viewpoint, it is interesting to study the documents of Jacques Cartier, a French explorer whose crew were dying of scurvy in the winter of 1534-1535. Scurvy, a deficiency of vitamin C (ascorbic acid), occurs after several months without fresh fruits and vegetables in the diet. The dying men drank a tea made from the needles and bark of pine trees and used the solid residue as a poultice placed over swollen joints.

Incredibly the men who had been dying a short time before were led to complete recovery within a week of this incredible find.

Networking Antioxidants Make the Difference

Research by Dr. Masquelier and colleagues have shown that Real OPCs make vitamin C more effective, and can even substitute for its functions. The Real OPCs contained in Proanthenols provide 50 times the

antioxidant protection of vitamin E and 20 times that of vitamin C.

Vascular Health[◇]

Vascular health has been shown to be supported by supplementation with OPCs.[◇] Actually, OPCs are unique among antioxidants, due to their complex mixture of different sized molecules (oligomers). This complex mixture enables them to function as an antioxidant network in-and-of themselves; they also

protect other important antioxidant reserves in the body, such as glutathione and vitamin E.

Lifeplus combines Real OPCs with a proprietary blend of bioflavonoids including citrus flavonoids, hesperidin, rutin, quercetin, and even vitamin C. Of course, we've included our exclusive PhytoZyme® Base of concentrates from over 30 specially selected fruit, vegetable, and herbal concentrates to further enhance its benefits.

Supports Collagen◊

In addition to antioxidant protection, Real OPCs also support collagen and help maintain elastin throughout your whole body.◊ These two critical proteins are major components of all your connective tissues and organs. They are responsible for maintaining structural integrity as well as the

elasticity of all the tissues throughout your body. This includes your joints, blood vessels, skin, ligaments, tendons, muscles, and even your heart. By maintaining healthy levels of structural collagen and elastin, your body is able to continue to function more efficiently and maintain its youthful strength and flexibility longer. The OPCs in Proanthensols actually attach to "reactive sites" on collagen molecules and protect them from free radical attack. This is one of the reasons they are so protective and so valuable for your circulatory system.

Supports Vision◊

Double-blind studies have shown that OPCs actually strengthen capillaries (the tiniest of all blood vessels) while using as little as 100 mg per day.◊

According to the literature, it has been shown that OPCs help to maintain and support visual performance in the dark and after exposure to glare in healthy people with normal vision.◊ Research has shown protective effects of OPCs on blood vessels in various experimental models and has also suggested that OPCs may play a role in helping to maintain healthy mental function as people age.◊

When you purchase Lifeplus Proanthensols, you can rely on getting the best Real OPCs that have been extracted by methods pioneered and developed by Dr. Masquelier, then refined and implemented by Berkem Laboratories.

Proanthensols are at the heart of the Lifeplus Difference!

REFERENCES:

1. Bagchi D, Bachi M, Stohs SJ, et al. Free radicals and grape seed proanthocyanidin extract: importance in human health and disease prevention. *Toxicology* 2000 Aug 7; 148 (2-3): 187-972.
2. Laperra J, Michaud J, Masquelier J. Etude Pharmacocinétique des oligomères flavanoliques. *Plants médicinales et phytothérapie*, 1977, Tome XI, no spécial, 1331-142.
3. Schwitters B, Masquelier J. OPC in Practice. Alfa Omega Editrice, Rome, Italy, 1995.
4. Costantini A, De Bernardi T, Gotti A. [Clinical and capillaroscopic evaluation of chronic uncomplicated venous insufficiency with procyanidins extracted from vitis vinifera] [Article in Italian] *Minerva Cardioangiol* 1999 Jan-Feb; 47 (1-2): 39-46.
5. Thebaut JF, Thebaut P, Vin F. Study of Endotelon in functional manifestations of peripheral venous insufficiency. *Gazette Medicale* 1985.
6. Koga T, Moro K, Nakamori K, et al. Increase of antioxidative potential of rat plasma by oral administration of proanthocyanidin-rich extract from grape seeds. *J Agric Food Chem* 1999 May; 47 (5): 1892-7.

Supplement Facts

Serving Size / 1 Tablet

Servings Per Container / 60

Amount Per Serving	% Daily Value	
Vitamin C	20 mg	22%
Oligomeric ProanthoCyanidins (OPC)	100 mg	*
Lemon Bioflavonoids	130 mg	*
Hesperidin	25 mg	*
Rutin	20 mg	*
Quercetin Dihydrate	5 mg	*

*Daily Value not established.

INGREDIENTS: CytoFlav-C™ proprietary blend (Lemon Bioflavonoids, Hesperidin, Ascorbic Acid, Rutin, and Quercetin Dihydrate), Microcrystalline Cellulose, Dicalcium Phosphate, Real OPC™ proprietary blend (Grape Seed Extract and Pine Bark Extract), PhytoZyme® proprietary blend (Bromelain, Papain, Alfalfa, Parsley, Carrots, Broccoli, Pea, Banana, Cantaloupe, Lima Beans, Mango, Pumpkin, Spinach, Tomato, Cauliflower, Orange, Papaya, Sweet Potato, Asparagus, Beet, Green Bean, Snow Pea, Blueberry, Chili Pepper, Cranberry, Cucumber, Guava, Grapefruit, Kale, Lemon, Maitake Mushroom, Peach, Pineapple, Watercress, Zucchini), Stearic Acid, Croscarmellose Sodium, Magnesium Stearate, and Silica.

US.SF2.MOD5B

Contains CytoFlav-C™, a secret blend of Bioflavonoids and Vitamin C, in the proprietary PhytoZyme® base of phytonutrients and plant enzymes. Lifeplus' Real OPC™ is a 100% bioavailable, residue-free grape seed and pine bark extract that is manufactured and supplied by Berkem Laboratories in France and developed in cooperation with Dr. Jack Masquelier at the University of Bordeaux.

As with all supplements, please consult your physician prior to taking if you are pregnant or attempting to become pregnant, breast-feeding, under a doctor's care or taking prescription medication.

Allergy Information: This product is processed in the same facility as products containing fish, shellfish, soy and dairy.

This product was not tested on animals.

Suitable for Vegetarians.

DIRECTIONS: One tablet twice a 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.

Lifeplus International • P.O. Box 3749, Batesville, Arkansas 72503 • 800-572-8446 • www.lifeplus.com

This information is for use and distribution only in the United States.