High cholesterol exists when the amount of cholesterol present in blood is at levels that are deemed unhealthy. Safe levels of cholesterol depend on individual risk factors such as antioxidant status, exercise, stress, tobacco use, genetics and other cardiovascular risk factors, such as blood pressure or established coronary heart disease. Although there is some controversy as to what the ideal level of total cholesterol is, most agree that a total cholesterol level below 200 is desirable.

Management of high cholesterol should begin with a combination of exercise and a dietary program that reduces saturated fat intake, and, to the greatest extent possible, the elimination of trans-fats, hydrogenated fats and refined carbohydrates. Additionally, specific nutritional supplements have been found to have a positive impact on cholesterol levels. Lipid-Sirt® supplies specific nutrients which have been shown to modify the production of cholesterol in the liver.

Lipid-Sirt® supplies specific nutrients which have been shown to modify the production of cholesterol in the liver by reacting with hepatic enzymes, increasing cholesterol excretion via the bile, inhibiting cholesterol uptake from the intestine, and supporting increased levels of HDL.

Pantethine, a natural compound, is a stable disulfide form of pantetheine, a precursor of coenzyme A, and is the co-enzymatic form of vitamin B5 (panthenolic acid) and cysteamine. Pantethine may increase levels of coenzyme A, which can increase the beta oxidation of fatty acids directly, while its metabolite, cysteamine, may decrease the hepatic synthesis of cholesterol by inhibiting HMG-CoA reductase. Pantethine has been shown to significantly increase HDL levels in as little as six weeks.

* Phytosterols (plant sterol esters) are structurally similar to cholesterol and have been shown to reduce the intestinal absorption of cholesterol by 30 to 40%. Clinical studies have shown that phytosterols can lower total cholesterol by an average of 6 to 10% and LDL cholesterol by 8 to 15%. Phytosterols are a safe, natural, effective intervention for the reduction of cholesterol. Foods or dietary supplements containing at least 400 mg per serving of free phytosterols taken twice a day with meals, for a daily total intake of at least 800 mg, as part of a diet low in saturated fat and cholesterol, may reduce the risk of heart disease.

To place your order for Lipid-Sirt® or for additional information please contact us:

Viotron International
8122 E Fulton Street • Ada, MI 49301
info@viotron.com
www.viotron.com

(800) 437-1298
Green Tea extract — Epigallocatechin gallate (EGCG) is the most abundant catechin (44-55%) supplied by green tea and possesses the most potent antioxidative activity of the green tea polyphenols. The potential protective health effects from catechins have been attributed to antioxidant, anti-thrombogenic and anti-inflammatory properties.

EGCG increases endothelial nitric oxide activity. Nitric oxide release from the endothelium results in vasodilation. Impaired vasodilation is associated with the progression of CVD. Widlansky examined the effects of EGCG on endothelial function in patients with coronary artery disease and found that EGCG improved endothelial function in patients with endothelial dysfunction. EGCG is also an inhibitor of xanthine oxidase, an enzyme that produces the purine, uric acid. Xanthine oxidase inhibition has been shown to improve endothelial vasodilation in hypercholesterolemic individuals.

In animal models, green tea catechins have been shown to decrease the solubility of cholesterol in micelles, thereby reducing the intestinal absorption of cholesterol.14,15,16,17,18

Delta-tocotrienol — Natural vitamin E includes two groups of similar fat-soluble compounds - tocopherols and tocotrienols, with each group consisting of four separate isomers: alpha, beta, delta and gamma. While tocopherols have a side tail that allows the molecule to move freely in and through the membrane, allowing it to hunt down free radicals across a much larger area.

Tocotrienols have been shown to inhibit HMG-CoA reductase, the first-rate limiting enzyme in the biosynthetic pathway for cholesterol synthesis, with delta and gamma tocotrienol possessing the greatest ability to inhibit cholesterol synthesis. Unlike other HMG-CoA reductase inhibitors, tocotrienols do not inhibit the synthesis of coenzyme Q10.10-13

Phytolens® is a patented extract from the seed coat of lentils containing a rich mixture of condensed tannins (procyanidins). Polymeric procyanidins have been shown to increase endothelial nitric oxide synthase to a greater extent than monomers in aortic endothelial cells. Phytolens® possesses significant antioxidant activity and has been shown to positively impact inflammatory mediators in vitro.14,15,16,17,18

References:
1. NIH Publication No 01-3290
2. Kerssinger, J. Diagnosis and Management of Internal Disorder, module 4 session 9, 2004
4. Alternative Medicine Review, volume 3, Number 5, 379-381
8. Micalef MA and Gang ML. The lipid-lowering effects of phytosteryl in (n-3) polyunsaturated fatty acids are synergistic and complementary in hyperlipidemic men and women. J Nutrition 2008;138: 1086-1090

Lipid-Sirt® is available in 240-count bottles (#2935).

Supplement Facts

<table>
<thead>
<tr>
<th>Serving Size: 4 Capsules</th>
<th>Servings Per Container: 60</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pantethine</strong></td>
<td>450 mg</td>
</tr>
<tr>
<td><strong>Plant Sterols (from soybean)</strong></td>
<td>400 mg</td>
</tr>
<tr>
<td><strong>Green Tea Extract (50% EGCG) (leaf)</strong></td>
<td>300 mg</td>
</tr>
<tr>
<td><strong>Delta-tocotrienol (from annatto seed)</strong></td>
<td>37.5 mg</td>
</tr>
<tr>
<td><strong>Phytolens®</strong></td>
<td>2.5 mg</td>
</tr>
</tbody>
</table>

*Daily Value not established

Other ingredients: Capsule shell (gelatin and water), cellulose, silica, magnesium stearate (vegetable source), and modified cellulose gum.

Contains ingredients derived from soybean.

** Phytolens® is a registered trademark of Biotics Research Corporation. U.S. Patent No. 5,762,936

This product is gluten and dairy free.

RECOMMENDATION: Four (4) capsules two (2) times each day as a dietary supplement or as otherwise directed by a healthcare professional.

Caution: Not recommended for pregnant or lactating women.

KEEP OUT OF REACH OF CHILDREN

Store in a cool, dry area. Sealed with an imprinted safety seal for your protection.

Product # 2935 Rev. 07/13

Biotics Research recommends these product adjuncts: 
- VascuSirt®, ResveraSirt-HP®
- EFA-Sirt Supreme®, Niacin 100™
- Red Yeast Rice

(800) 437-1298 | www.viotron.com

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.