



## BioLipotrol

Serving Size 1 capsule

Servings Per Container 60

Amount Per Serving

Niacin (inositol hexaniacinate)	400 mg
Guggul gum extract ( <i>Commiphora mukul</i> , 2.5% guggulsterones)	200 mg
Red yeast rice ( <i>Monascus purpureus</i> )	125 mg
Inositol (inositol hexaniacinate)	100 mg
Policosanol	10 mg

**OTHER INGREDIENTS:** Cellulose, magnesium stearate, silica.

**SUGGESTED USE:** As a dietary supplement, take 1-2 capsules one time per day or as directed by your healthcare professional.

### REFERENCES:

1. Berra K. Clinical update on the use of niacin for the treatment of dyslipidemia. *J Am Acad Nurse Pract.* 2004 Dec;16(12):526-34.
2. Head KA. Inositol Hexaniacinate: A Safer Alternative to Niacin. *Alt Med Rev.* 1996;1(3):176-84.
3. Holti G. An experimentally controlled evaluation of the effect of inositol nicotinate upon the digital blood flow in patients with Raynaud's phenomenon. *J Int Med Res.* 1979;7(6):473-83.
4. Heber D, et al. Cholesterol-lowering effects of a proprietary Chinese red-yeast-rice dietary supplement. *Am J Clin Nutr.* 1999 Feb;69(2):231-6.
5. Hendler S., Rorvik D. PDR for Nutritional Supplements. 1st Ed. Medical economics/Thompson Healthcare., 2001.
6. Hotz W. Nicotinic acid and its derivatives: a short survey. *Adv Lipid Res.* 1983;20:195-217.

continued on reverse

\*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.

# BIOLIPOTROL

NATURAL COMPREHENSIVE CARDIOVASCULAR SUPPORT\*

- Promotes healthy cholesterol and triglyceride metabolism\*
- Aid for normalizing elevated lipids\*
- Supports establishment of ideal HDL/LDL ratios\*

**BIOLIPOTROL** is an all-natural nutraceutical designed to assist the body in regulating the production and metabolism of HDL and LDL cholesterol and triglycerides.\*

**INOSITOL HEXANIACINATE** is composed of one molecule of vitamin B3 in the form of niacin. Inositol hexaniacinate has several advantages over regular niacin and standard formulations of time-released niacin. Regular niacin has a long track record of positively affecting serum lipid levels, but has the negative drawback of causing dermal flushing in persons taking it. Due to this flush and some itching that may accompany it, regular niacin has had a poor long-term patient compliance record. To improve compliance, researchers developed a time-released niacin to prevent the flushing reaction. While time-released niacin was successful, the ingredients used to accomplish this (waxes and resins) proved potentially harmful in some individuals. The observed problematic side effect was an elevation of liver enzymes. As inositol hexaniacinate, the niacin is slowly released from the inositol over several hours without the need for chemical binders such as waxes or resins. With inositol hexaniacinate, patients get the benefit of niacin's lipid-modulating effects with little or no flushing response.\*

**GUGGUL GUM (COMMIPHORA MUKUL) EXTRACT** refers to the extract of the oleoresin of the mukul myrrh tree. Oral use of guggul has been shown to improve lipid profiles. In addition to guggul's lipid-modulating benefits, guggul extracts have been shown to possess antioxidant properties that protect lipids from oxidation.\*

# BIOLIPOTROL

## REFERENCES:

7. Gouni-Berthold I, Berthold HK. Policosanol: Clinical pharmacology and therapeutic significance of a new lipid-lowering agent. *Am Heart J.* 2002 Feb;143(2):356-65.
8. Lamon-Fava S et al. Extended-release niacin alters the metabolism of plasma apolipoprotein (Apo) A-I and ApoB-containing lipoproteins. *Arterioscler Thromb Vasc Biol.* 2008 Sep;28(9):1672-8.
9. Nityanand S, Srivastava JS, Asthana OP. Clinical trials with gugulipid. A new hypolipidaemic agent. *J Assoc Physicians India.* 1989 May;37(5):323-8.
10. Singh RB, Niaz MA, Ghosh S. Hypolipidemic and antioxidant effects of Commiphora mukul as an adjunct to dietary therapy in patients with hypercholesterolemia. *Cardiovasc Drugs Ther.* 1994 Aug; 8(4):659-64.
11. Superko HR, et al. Effect of combination nicotinic acid and gemfibrozil treatment on intermediate density lipoprotein, an subclasses of low density lipoprotein and high density lipoprotein in patients with combined hyperlipidemia. *Am J Cardiol.* 2009 Feb 1;103(3):387-92.
12. Urizar NL, Moore DD. Gugulipid: A natural cholesterol-lowering agent. *Annu Rev Nutr.* 2003 23:303-13.

**RED YEAST RICE (*MONASCUS PURPUREUS*) EXTRACT** is a product of the fermentation of rice with various strains of the yeast *Monascus purpureus*. Red yeast rice (RZR) has been shown to promote healthy lipid levels. The monacolins in RZR exhibit HMG-CoA reductase-inhibitory activity. This activity may in part explain the lipid-modulating effects of RZR.\*

**POLICOSANOL** is derived from sugar cane. Studies have shown it to promote healthy lipid levels.\*

**WARNING:** Pregnant women and nursing mothers should avoid this product. Persons with liver dysfunction, gout, renal dysfunction, peptic ulcer disease, gastritis or a known sensitivity to any of the ingredients in this product should avoid using BioLipotrol.\*

\*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.

092409