

# b-VITAL®

Naturally Augments Testosterone Levels in Men - Patent #6,093,421



**b-VITAL®** supplies a proprietary blend of *Lepidium meyenii* (Peruvian Maca), used for centuries to restore balance and increase energy, and velvet deer antler, harvested live from American Elk. The many traditional uses of these adaptogenic compounds are due to their rich and diverse nutrient, chemical and phytochemical compositions.

## Roles of Testosterone in Cardiovascular Health

The medical literature indicates important roles for testosterone in cardiovascular health. Testosterone levels decline in men as they age.

<sup>(6)</sup> The following are examples of recent research linking testosterone to health in aging men:

### Imbalanced serum lipids

The age-related decline in testosterone correlated with increased serum triglycerides, increased LDL and decreased HDL in middle aged men.<sup>(3,6)</sup>

There was also increased apolipoprotein A1.<sup>(3)</sup>



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A preliminary study of men, ages 45-55, found that supplementation with **b-VITAL®** from Biotics Research for 30 days increased salivary free testosterone in 100% of subjects.

To place your order for **b-VITAL®** or for additional information please contact us:



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## Risk of cardiovascular disease

Low plasma testosterone may be a risk factor for coronary artery disease.<sup>(5)</sup>

## Risk of stroke

Total and free testosterone were inversely associated with stroke severity and mortality.<sup>(1)</sup>

## Role in blood clotting: Fibrinolytic system

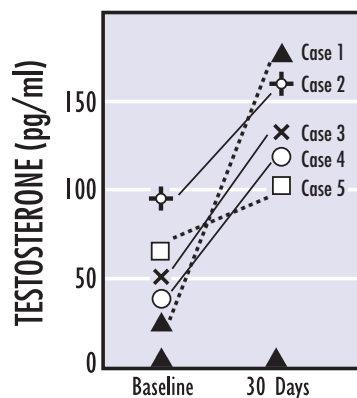
Testosterone supports the fibrinolytic system and anti-thrombin activity.<sup>(2)</sup>

## Risk of diabetes

Low testosterone and sex-hormone binding protein were found to be risk factors for diabetes in elderly men.<sup>(4)</sup>

## Elevated fasting blood glucose, insulin levels and abdominal obesity

Compared to men with normal plasma total testosterone, men with low testosterone had a higher body mass index, waist/hip ratio, fasting 2 hour plasma glucose, and fasting 2 hour plasma insulin levels.<sup>(3)</sup>



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## References:

1. Jeppesen LL, et al. Decreased serum testosterone in men with acute ischemic stroke. *Atheroscler Thromb Vac Biol* 1996; 16:749-54.
2. Shapiro J, et al. Testosterone and other anabolic steroids as cardiovascular drugs. *Am J Ther* 1999; 6:167-74.
3. Simon D, et al. Association between plasma total testosterone and cardiovascular risk factors in healthy adult men: The Telecom Study. *J Clin Endocrinol Metab* 1997; 82:682-5.
4. Tibblin G, et al. The pituitary-gonadal axis and health in elderly men: a study of men born in 1913. *Diabetes* 1996; 45:1605-9.
5. Zhao SP, Li XP. The association of low plasma testosterone level with coronary artery disease in Chinese men. *Int J Cardiol* 1998; 63:161-4.
6. Zmuda JM, et al. Longitudinal relation between endogenous testosterone and cardiovascular disease risk factors in middle-aged men. A 13 yr. follow up of former Multiple Risk Factor Intervention Trial Participants. *Am J Epidemiol* 1997; 146:609-17.

b-VITAL® is available in 60-count bottles (#6715).

## Supplement Facts

Serving Size: 1 Capsule

	Amount Per Serving	% Daily Value
Peruvian Maca ( <i>Lepidium meyenii</i> ) (root)	750 mg	*
Velvet Deer Antler (from living Elk)	50 mg	*

\*Daily Value not established

**Other ingredients:** Capsule shell (gelatin and water).

b-VITAL® provides "A Treasure from the Andes", Peruvian Maca, used for centuries to restore balance and increase energy, combined with Velvet Deer Antler, harvested live (no need to destroy these awesome creatures) from American Elk. The many traditional uses of these adaptogenic compounds are due to their rich and diverse nutrient, chemical and phytochemical compositions. This statement has not been evaluated by the FDA. This product is not intended to diagnose, treat, cure or prevent any disease.

Patent # 6,093,421

**This product is gluten and dairy free.**

**RECOMMENDATION:** One (1) capsule two (2) times each day as a dietary supplement or as otherwise directed by a healthcare professional. For adult use only.

**CAUTION:** Not recommended for pregnant or lactating women, women with a history of breast cancer or other hormone related cancers, men with elevated PSA, men with a history of prostate cancer or those subject to testing of anabolic aids.

## KEEP OUT OF REACH OF CHILDREN

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

Product # 6715 Rev. 09/18