



BIO MATRIX M.D.

*"In our practice, we recommend only the finest natural supplements that have proven records of measurable benefit for patients. It is our belief that this product, along with strict adherence to your program instructions given during your office visit will enhance your quality of life and bring significant relief."*

Bio Matrix M.D.

*L-Carnitine Tartrate*

*L-Carnitine Tartrate is now known to play a number of critical roles in the normal metabolism of lipids in all mammalian systems, including a vital role in shuttling energy into the heart muscle. Also beneficial for weight loss, L-Carnitine helps shuttle long chain fatty acids into the mitochondria of cells and therefore helps produce energy. However, L-Carnitine is difficult to obtain without beef and dairy in the diet, often resulting in a functional shortage of L-Carnitine for many Americans.*

**The Bio Matrix M.D. Difference:**

- L-Carnitine formulated at studied dosage for maximum efficacy
- Pharmaceutical grade L-Carnitine.

**Contraindications, Adverse or Other Reactions:**

If you are pregnant or nursing, consult your physician for more information before taking this product.

**L-Carnitine Tartrate**

SUGGESTED USE: As a dietary supplement, 1 capsule three times per day or as recommended by your health care professional.



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Why These Natural Ingredients?

**L-Carnitine**

Human studies with the amino acid L-carnitine have yielded encouraging results. In one double-blind study 56 patients with acute myocardial infarction received either placebo or L-carnitine. A significant reduction in the occurrence of arrhythmias was noted in patients treated with L-carnitine.

Another double-blind study in patients with suspected myocardial infarction utilized placebo (N=50 subjects) or L-carnitine (2 g per day for 28 days; N=51 subjects). L-Carnitine treatment resulted in a significant reduction in various markers of myocardial damage (e.g., infarct size, QRS scores, serum aspartate transaminase and lipid peroxides).

A large-scale clinical trial by Ferrari and co-workers utilized 574 patients with heart failure (New York Heart Association class II-III severity) and found a slight improvement in exercise performance in a subgroup of the L-carnitine supplemented patients, but no significant effect from placebo with regards to deaths and subsequent cardiovascular hospital admissions. The utility of L-carnitine in patients with congestive heart failure continues to be studied. Its effectiveness in patients with inherited carnitine deficiency syndromes and associated cardiovascular dysfunction is well established.

L-Carnitine and Coenzyme Q-10: Continuing Education Module by Timothy J. Maher, Ph.D. Sawyer Professor of Pharmaceutical Sciences, Professor of Pharmacology, Dean, Research and Sponsored Programs Massachusetts College of Pharmacy and Health Sciences March 2000

**Supplement Facts**

Serving Size 1 Capsule  
Servings Per Container:

|                             | Amount Per Serving | % Daily Value |
|-----------------------------|--------------------|---------------|
| 1 capsule contains          |                    |               |
| L-Carnitine (as L-Tartrate) | 500 mg             | *             |

\* % Daily Value not established

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.

Manufactured for:  
Bio Matrix M.D.  
biomatrixmd.com  
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