



Did you know that L-arginine supplementation can affect microvascular function even at a low dosage?†

In a recent study in healthy male volunteers, researchers sought to demonstrate the effects of L-arginine supplementation on microvascular function.†

How did the research team measure L-arginine’s effect on microvascular function?

- 1. Volunteers were separated into four groups by age and activity level. The “trained” group was defined as individuals participating in aerobic activities (long distance running, cycling, or triathlon) for at least five hours per week.
- 2. To measure the effect of L-arginine on microvascular function, the research team used Laser Doppler Fluxmetry (LDF) on the forearm of each volunteer.
- 3. To trigger vasodilation the research team used two different compounds: acetylcholine to evaluate endothelium dependent vasodilation, and sodium nitroprusside for endothelium-independent vasodilation. To avoid a local effect on microvascularization triggered by the injection of these two compounds, the research team used iontophoresis as the infusion method.
- 4. Each volunteer received 900 mg L-arginine. Measurements were taken before and after L-arginine supplementation and were repeated at 60-second intervals for 16 minutes.

What did the study show?

In the group of young, trained volunteers, the research team observed a significant increase in LD flux response to acetylcholine after ingestion of L-arginine. (†p<0.05)

These results suggest that, even at a dose as low as 900 mg, L-arginine positively impacts endothelial-dependent vasodilation.†

Method note:
Iontophoresis is a non-invasive method that enables the local introduction of charged molecules through the skin using a weak electric current. In this case, solutions of 1% acetylcholine in deionized water and 1% sodium nitroprusside in deionized water.

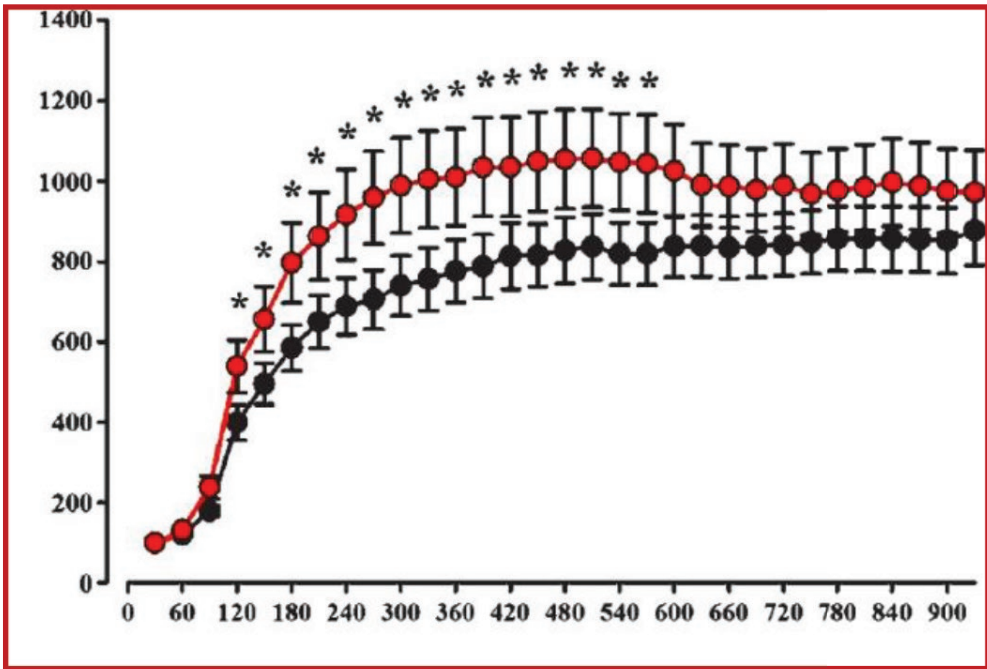


Figure 1: Relative LO flux response(%) to acetylcholine before (dark circles) and after (red circles) ingestion of one drink containing 900 mg L-arginine in young trained male volunteers.† p<0.05 between groups.

L-ARGININE 1,000 MG

NEW!

CONDITIONALLY ESSENTIAL AMINO ACID
NITRIC OXIDE PRECURSOR†
NON-GMO

Arginine is a conditionally essential basic amino acid involved primarily in urea metabolism and excretion, as well as in DNA synthesis and protein production.† It is an important precursor of nitric oxide (NO) and thus plays a role in the dilation of blood vessels.†

Supplement Facts

Serving Size 1 Tablet

Amount Per Serving

L-Arginine (from L-Arginine HCl)1 g (1,000 mg)*

* Daily Value not established.

Other ingredients: Hydroxypropyl Cellulose, Microcrystalline Cellulose, Vegetarian Coating [hypromellose (cellulose), calcium carbonate, mct oil (medium-chain triglycerides) (from coconut/palm kernel oil), xylitol], Stearic Acid (vegetable source), Croscarmellose Sodium and Silicon Dioxide.

Not manufactured with wheat, gluten, soy, milk, egg, fish or shellfish ingredients. Produced in a GMP facility that processes other ingredients containing these allergens.

The L-Arginine used in this product is pharmaceutical grade.

Natural color variation may occur in this product.



ITEM NUMBER: P0035
SIZE: 120 TABS

