

NO Inducers*

Nitric Oxide Support*

NO Inducers* provides a synergistic blend of nutrients, formulated to promote endogenous nitric oxide (NO) production.* Produced in the blood vessels, nerves, and immune cells, endogenous NO plays many roles in the body, such as supporting normal, healthy blood pressure, mediating penile erections, supporting normal, healthy blood flow to the brain and other tissues, enhancing muscle oxygen use during exercise, and supporting immune health.*

NO can be produced via reduction of dietary nitrate and nitrite to NO, or conversion of arginine, a conditionally essential amino acid, to NO using the enzyme nitric oxide synthase (NOS). Various other amino acids, enzymes, and antioxidants assist in the production or retention of NO within the body.* Unfortunately, endogenous NO production declines with age, and can be inhibited by various diet and lifestyle factors, nutrient or antioxidant deficiencies, and medications.



#77480

180 vegetarian capsules

Key Features

- Synergistic blend of nutrients formulated to promote endogenous nitric oxide production*
- Red beet root powder provides nitrates as a substrate for endogenous NO production*
- Setria® glutathione supports increased circulation time of NO in the body*
- Citrulline, arginine, propionyl-L-carnitine, and taurine support endogenous synthesis of NO*



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Red beetroot (*Beta vulgaris rubra*) is an excellent source of nitrates, a major substrate for NO synthesis in the body. It also contains antioxidant compounds such as betalain pigments which have been shown to support a normal, healthy balance of inflammatory regulators.* Recent reviews of clinical trials show that individuals consuming beetroot juice had significantly lower average blood pressures than control groups, suggesting that beetroot should be considered as a component of a healthy lifestyle.*

Glutathione (GSH) (Setria®) is a powerful tripeptide antioxidant that inhibits the formation of free radicals, and is thought to be the most important cellular antioxidant. Insufficient GSH causes the enzyme NOS to become uncoupled, meaning it stops producing NO and switches instead to producing toxic superoxides.* NO has been shown to actively bind to sulfur residues or thiols (which GSH contains), increasing NO availability in the body to minutes or hours.* Since NO is known to have a very short half-life of about one millisecond, GSH plays a critical role in maintaining normal, healthy levels of NO in the body, and keeping NOS from uncoupling.*

Arginine and its precursor **citrulline** participate in the urea cycle in the liver, which converts highly toxic ammonia to urea for urinary excretion. Arginine is also necessary for NO production in the body, as it is converted to NO by the enzyme NOS. This system works independently of NO produced via bacterial reduction of nitrate to nitrite in the mouth, making it a valuable nutrient when taken along with ingredients such as red beetroot.* Due to its multiple functions in the body, supplementing arginine along with citrulline improves its function as a NO substrate.*

Supplemental citrulline shows high bioavailability and is readily converted to arginine by the kidneys, vascular endothelium, and other tissues.* Citrulline supplementation has been shown to be an effective way to increase NO production in the body.* A recent clinical study concluded that supplemental citrulline may have major implications for supporting normal, healthy blood pressure levels, and exercise performance in young healthy adults.* Other *in vitro* and *in vivo* studies have shown that supplementing citrulline along with GSH supports increased NO levels in the blood.*

Taurine has been shown to increase NO in part by reducing the levels of asymmetric dimethylarginine (ADMA), a naturally occurring inhibitor of NO synthesis.* A meta-analysis of seven peer-reviewed studies show that taurine supplementation is a promising alternative for supporting blood pressure within normal levels.*

Propionyl-L-carnitine (PLC) is a derivative of carnitine shown to stimulate NO production, boost muscle carnitine levels, and facilitate the transport of free fatty acids into the mitochondria where they can be used as fuel.* Long-term PLC supplementation (four to eight weeks) has been shown to support exercise performance.*

Supplement Facts

Serving Size		3 Capsules
Servings Per Container		60
Amount Per Serving	% Daily Value	
Setria® Performance Blend	1.1 g	†
L-Citrulline (Kyowa Quality®)		
L-Glutathione (Reduced)		
Propionyl L-Carnitine	250 mg	†
L-Arginine	125 mg	†
L-Taurine	25 mg	†
Beet (Root) Powder	250 mg	†

* Percent Daily Value are based on a 2,000 calorie diet † Daily value not established.

Other ingredients: Hydroxypropyl methylcellulose, microcrystalline cellulose, silicon dioxide, L-leucine.

Suggested Use: As a dietary supplement, 3 capsules two times daily with or without food, or as directed by a healthcare practitioner.

Caution: If pregnant or nursing, consult your healthcare practitioner before use. If taking nitrates or anti-hypertensive medications, use under direct supervision of a qualified healthcare practitioner. Keep out of reach of children.



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