Premium ingredient

ViNitrox™

Time to power up!

- Ignite muscle performance
- Break through the fatigue barrier
- Amp up Nitric Oxide level
- Apple & grape polyphenols

nexira HEALTH

Healthy performance enhancer

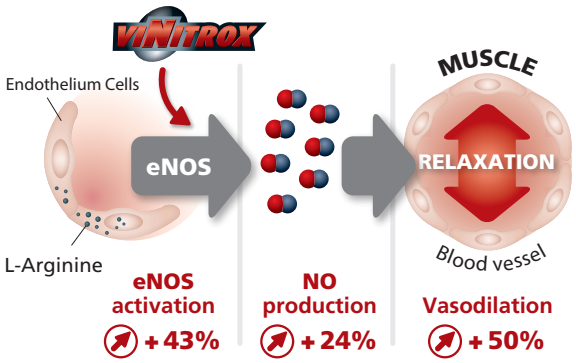
ViNitrox™ is a unique and proprietary synergistic combination of apple and grape polyphenols. It has been specifically developed to answer the demands of athletes in search of natural dietary supplements.

Amp up Nitric Oxide level: Mechanism of action

Vasodilation is linked to the production of **Nitric Oxide** (NO) by an enzyme called eNOs (endothelial Nitric Oxide synthase).

In vitro[1] and *ex vivo*[2] studies show that ViNitrox™ increases:

- **eNOs activation by 43 %**
- **NO production by 24 %**
- **Vasodilation by 50 %**



New clinical study

ViNitrox™ offers a number of exceptional sports nutrition properties including enhanced and lasting performance. Nexira's latest clinical study[3] on 50 athletes, 25-45 years old, demonstrated that under intensive effort 500 mg/day of ViNitrox™ improves physical capabilities.

- **INCREASES PHYSICAL TRAINING TIME BY 10%**
- **DELAYS THE FATIGUE BARRIER BY 13%**

IGNITE MUSCLE PERFORMANCE

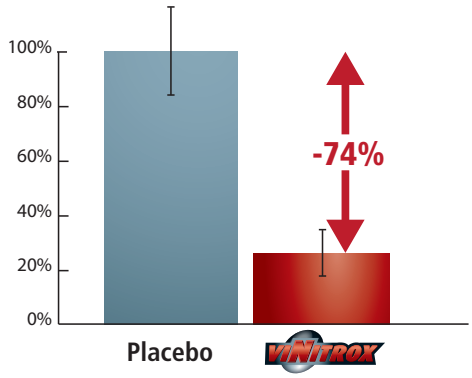
A powerful antioxidant

NO is an unstable molecule. It easily generates harmful free radicals (namely peroxynitrites) which can damage the muscle tissue. With higher vasodilation this is a "side-effect" that must be controlled.

Thanks to its unique polyphenols content ViNitrox™ is also a powerful antioxidant. An *in vivo* study[4] shows protective properties:

- **74% decrease of oxidative stress**
- **Minimum guaranteed ORAC value 6000 µmol TEq/g**

Level of oxidative stress marker in plasma (nitrotyrosin)
In vivo study on hamsters - dosage of 55 mg/kg body weight



- **High content in fruit polyphenols**
- **Safe and free from doping substances**
- **Suggested dose: 500mg/day**
- **ViNitrox™ can be used in tablets, capsules, gels, etc.**

[1] Effect of ViNitrox™ on the activation of eNOs through the phosphorylation of "Serine 1177" from endothelial cells (HUVECs) as measured by flow cytometry. 2010

[2] Products containing grape and apple extracts stimulate the production of nitric oxide (NO) by vascular endothelium. *Ex vivo* study on rat aorta. 2004

[3] Double blind, crossover, placebo controlled study

[4] The effects of ViNitrox™, a formulation containing grape and apple extracts and its effect on the production of peroxinitrites in hamsters subjected to aerobic physical activity. 2004

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