



Unlimited. Explosive. Power.

Ingredient Overview

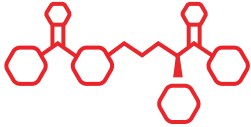
Patented | Made in USA | Fermentation | Vegetarian | Non-GMO

velox[®]

Patented Performance Blend

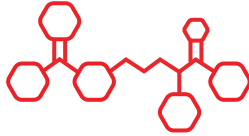
VELOX® Science Snapshot

What is L-Citrulline?



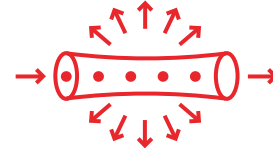
L-Citrulline is an amino acid that plays an important role in raising L-Arginine levels and Nitric Oxide metabolism.*

What is L-Arginine



L-Arginine is a semi-essential amino acid that is a precursor to Nitric Oxide.*

VELOX®: A Powerful Duo



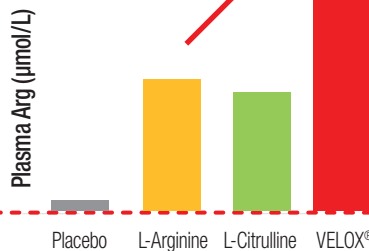
VELOX® is a patented performance blend of L-Citrulline and L-Arginine that has been clinically shown to increase L-Arginine and Nitric Oxide levels faster than either amino acid alone.*

Key Studies show VELOX® Patented Performance Blend Benefits*

The effect of VELOX blend on L-Arginine levels in healthy adult male

Researchers studied the combined blend of L-Citrulline (1g/day) and L-Arginine (1g/day) against L-Citrulline alone (2g/day) and L-Arginine alone (2g/day) in a placebo controlled study*¹

■ Placebo ■ L-Arginine ■ L-Citrulline ■ VELOX®

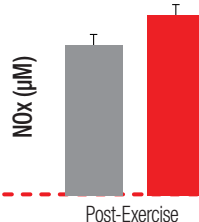


VELOX® Patented Performance Blend worked synergistically to increase plasma L-Arginine levels more rapidly than either amino acid alone.*

The effect of VELOX blend on Nitric Oxide levels

Researchers studied twenty healthy soccer players in a randomized double-blind placebo controlled study*²

■ Placebo ■ VELOX®

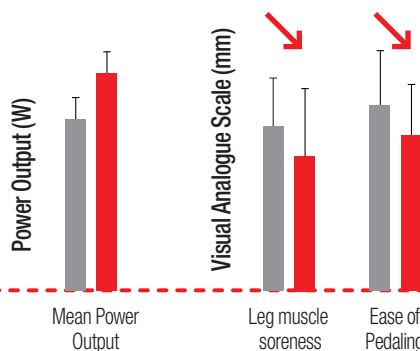


VELOX® Patented Performance Blend significantly increased Nitric Oxide levels during exercise and post exercise compared to placebo.*

The effect of VELOX blend on performance, power and recovery

Researchers utilized pedaling test and visual analogue scale (VAS) questionnaire to detect how subjects felt after exercise*²

■ Placebo ■ VELOX®



VELOX® Patented Performance Blend increased power output, reduced muscle soreness and improved ease-of-pedaling in healthy adult males.*

U.S. Patents 8,609,735, 9,060,980, 9,622,998, and 10,052,298.

1. Suzuki T. et al. The effects on plasma L-arginine levels of combined oral L-citrulline and L-arginine supplementation in healthy males. *Biosci Biotechnol Biochem*. 81(2): 372-375 (2017).
2. Suzuki I. et al. A combination of oral L-citrulline and L-arginine improved 10-min full-power cycling test performance in male collegiate soccer players: a randomized crossover trial. *Eur J Appl Physiol*. 119,1075-1084 (2019).

*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.

The VELOX® Scientific Advantage



Sports nutrition used to be reserved for athletes and bodybuilders. In today's marketplace, the \$38.7B sports nutrition market has expanded far beyond professional athletes to weekend warriors, crossfitters, and your casual exercisers. No matter if it is at the gym or a marathon, consumers are looking to achieve their personal best every time.

VELOX® Patented Performance Blend is a clinically studied L-Citrulline (1.2g) and L-Arginine (1.2g) blend that during exercise has been shown to:

- Increase Nitric Oxide production*
- Rapidly increase blood Arginine levels*
- Increase power output*
- Reduce muscle soreness*

What is the VELOX® Blend?

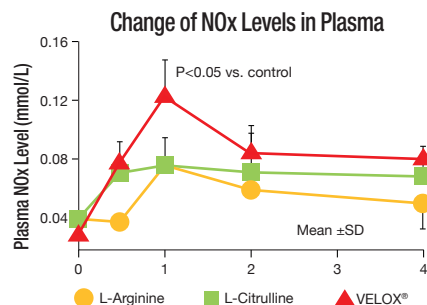
The VELOX® blend is a patented performance blend of Kyowa Quality L-Citrulline and L-Arginine. Designed to support power, performance, and recovery, VELOX® has been clinically researched to increase blood arginine levels, blood flow and Nitric Oxide levels.*

Why is Nitric Oxide Important?

Nitric Oxide, a unique signaling molecule, can affect every single cell in the body. Increased Nitric Oxide levels can translate to better circulation, increased blood flow, and efficient delivery of key nutrients.* During any intense activity, the muscles need an oxygen boost. Increased Nitric Oxide levels allow blood cells to transport more oxygen to our muscles, ultimately improving exercise endurance and recovery.*

A Powerful Duo

L-Arginine is a conditionally essential amino acid that serves as an important precursor to Nitric Oxide.* However, 40% of L-Arginine is metabolized by arginase (an enzyme), allowing only 60% uptake of L-Arginine in the bloodstream. In contrast, according to a double-blind placebo-controlled pharmacokinetic study L-Citrulline, a precursor to L-Arginine was shown to more effectively supply L-Arginine to the body than L-Arginine alone.* In addition to being more effective at supplying L-Arginine, L-Citrulline has been shown to inhibit arginase activity, limiting breakdown of L-Arginine*.



Kyowa Hakko USA is the first to test the synergistic benefits of L-Citrulline and L-Arginine when combined. VELOX® Patented Performance Blend can increase L-Arginine levels faster than either ingredient alone.

Pioneering Fermentation

At Kyowa Hakko, we draw on 60-years of pioneering innovation to produce VELOX® Patented Performance Blend. It all starts in our facility at Cape Girardeau, Missouri. We rely on our advanced fermentation and purification technology to make L-Citrulline and L-Arginine, the amino acids that go into VELOX®.



Born in Japan. Made in Missouri.

Why is it important that our amino acids are made in the USA?

- No customs or transportation delays
- No tariffs or extra shipping costs
- Complete quality and purity control
- Made in USA claim for your label
- ISO 9001 & HACCP accredited facility



Made in the USA



Sports Nutrition Benefits



Innovative Fermentation

For non-GMO, allergen-free, made in the USA VELOX®, visit Kyowa-USA.com

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The VELOX® Marketing Advantage



Performance



Power



Recovery

Backed by 4 Patents

Manufacturers and formulators will love the more practical benefits of the VELOX® blend:

- Patented. VELOX® blend is backed by four patents that validates its effect at raising blood Arginine levels, Nitric Oxide levels and blood flow in less than an hour.* Patent Reference: U.S. Patents 8,609,735, 9,060,980, 9,622,998, and 10,052,298.
- Pure. VELOX® blend contains no food additives, artificial colors, artificial flavors or preservatives.
- Safe for food and beverages. Citrulline is self-affirmed GRAS, Arginine is an FDA approved food additive therefore VELOX® blend can be used in a wide variety of food, beverage and dietary supplement applications.
- Vegetarian. No animal origin material is used in VELOX® blend.
- Allergen-free. VELOX® blend doesn't contain any corn, celery, wheat, grains, nuts, yeast, soy, starch, lupin, animal derivatives, fish, egg, mustard, seeds, dairy, or sulfite.
- Fermentation. VELOX® blend is produced using an innovative fermentation process.
- Non-GMO.

Product Applications

VELOX® Patented Performance Blend is a unique blend that can be incorporated into a wide range of finished products designed to support performance and recovery, including:

- Dietary supplements
- Functional foods & beverages
- Powder formulations
- Ready-to-drink beverages

Kyowa Quality Included

Kyowa is an international health ingredient manufacturer and a world leader in the development, manufacturing and marketing of nutraceuticals, pharmaceuticals and food products. Part of Kyowa's dedication to ongoing scientific research, quality management and consumer education, VELOX® blend leads the way in sports nutrition research. VELOX® blend is backed by:

- Four patents
- Clinical studies published in peer-reviewed journals
- Self-affirmed GRAS status for L-Citrulline and FDA approved food additive status for L-Arginine

VELOX® Blend Claims

The following claims are provided for informational purposes and should be reviewed by your legal counsel prior to use in marketing materials, including product labels.

Exercise Performance Studies show that VELOX® Blend

- Is a patented NO Booster*
- Increases Nitric Oxide production*
- Rapidly increases blood Arginine levels*
- Is patented to rapidly increase blood Arginine levels*
- Increases power output*
- Reduces muscle soreness*
- Synergistically increases blood Arginine levels*

Clinically Studied Dose

1.2 grams L-Citrulline + 1.2 L-Arginine (1:1 ratio)

Study References

1. Suzuki T. et al. The effects on plasma L-arginine levels of combined oral L-citrulline and L-arginine supplementation in healthy males. *Biosci Biotechnol Biochem.* 81(2): 372-375 (2017).
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Patented Performance Blend

Generate breakthrough sales with VELOX®, a nutrient blend designed to boost power, performance & recovery.

For more information on including VELOX® blend in your next product, visit kyowa-usa.com.



For more information about VELOX® blend contact:

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