

UNRIVALED PERFORMANCE

One of the most researched tripeptide ingredients for cardiovascular health, VasoDrive-AP® (also known as AmealPeptide®) is said to improve arterial flexibility by increasing the production of endothelial nitric oxide synthase (eNOS).*

Derived from milk protein through a proprietary enzymatic process, VasoDrive-AP is a naturally occurring, safe, and

highly effective blood-pressure support ingredient.* VasoDrive-AP occurs in very small amounts in casein as tripeptides, which are three specific amino acids joined together in a precise configuration. It works to support blood pressure already within a healthy range by inhibiting an

enzyme that leads to the constriction of blood vessels.* The two tripeptides in VasoDrive-AP are known as the lactotripeptides Valyl-Prolyl-Proline (VPP) and Isoleucyl- Prolyl-Proline (IPP); they are derived from the amino acids valine, proline, and isoleucine. Manufactured by enzymatically hydrolyzing

> Aspergillus oryze, the process is conducted in such a way that the peptides are not damaged or broken down into their individual amino acids. They are also not degraded in the human digestive system because of their precise configuration and can be absorbed intact. VasoDrive-AP's vasodilating action is believed to be at least partly responsible for its clinically documented effect on blood pressure.*

casein with protease derived from

Supported by more than 30 published studies – including over a dozen double-blind, placebo-controlled human clinical trials VasoDrive-AP helps maintain both systolic and

diastolic blood pressure already within healthy limits and promotes arterial elasticity.* Research shows that VasoDrive-AP supplementation can help:*

Improve arterial flexibility by potentiating the production of **eNOS**

Supports a healthy inflammatory system

Support healthy glucose

utilization

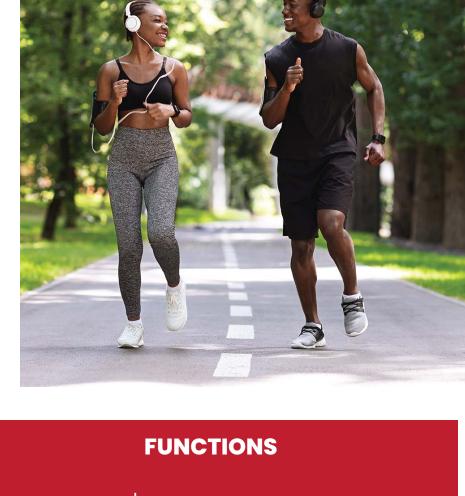
fatigue

- Support cerebral blood flow and cognitive function
- training cycles Reduce muscle soreness after high-intensity exercise

Reduce mild exercise-related

Improve recovery and sustain endothelial function throughout

- Provide a long-term solution for optimal intra-workout pump as well as post-workout recovery
- **STATUS**





SOURCES





documented effect on blood pressure.*













Baseline

1 week

Nakamura Y et al. J Dairy Sci 1995;/78:777-778 Hirota T et al. Heart Vessels 2011; 26:549-556 Nonaka A et al. Hypersten Res 2014; 37:703-707

This vasodilating action is believed to be at least partly responsible for VasoDrive-AP's clinically

40

30

20

10

(mLmin/100mL tissue)

AmealPeptide® improves endothelial function - forearm blood flow Stage 1 hypertension (SBP:140-159/DBP:90-99), aged 40-46 (n=24) Subjects: Sample: Capsule with AmealPeptide® (VPP 3.4mg, IPP 3.9mg/day/Placebo **Treatment:** 1 week **Better** 50 ### Maximum Forearn Blood Flow



Air cuff

Middle

Subjects:

Treatment: Exercise:

Sample:

Subjects:

SAFETY

Sample: **Treatment:**

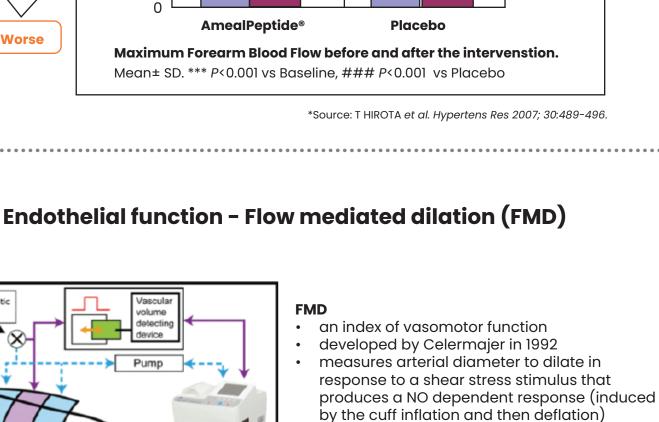
100

Air cuff

*Source: Yoshinaga K et al. Circulation. 2014; 130:A11965

Placebo AmealPeptide®

Healthy male, aged 40-74 (n=14)



Max. diameter (mm) - Resting diameter (mm) FMD(%) =Resting diameter (mm)

Subjects: Healthy male, aged 40-74 (n=14) Sample: Two oral intakes at 2hrs before and 30min after the exercise - crossover design **Treatment:** Walking at 5lk/h for 30min on a downhill treadmill and at 5% decline **Exercise:** Score (cm by VAS) 3 2

- AmealPeptide® relieves muscle soreness & fatigue after mild exercise Tablet with AmealPeptide® (VPP 1.4mg, IPP 2.3mg/intake)/Placebo

Placebo AmealPeptide®

*Source:

UNEX Corporation Web Site http://unex.co.jpg/ENG/fmd.html

Mean± SE. **P<0.01. *P<0.05" *Source: Iwasa M et al. Ann Sports Med 2015; 2(8):0145. AmealPeptide® relieves HR increase & muscle damage by mild exercise

Tablet with AmealPeptide® (VPP 1.4mg, IPP 2.3mg/intake)/Placebo

Walking at 5km/h for 30min on a downhill treadmill at 5% decline grade

Two oral intakes at 30min before and 30min after the exercise - crossover design

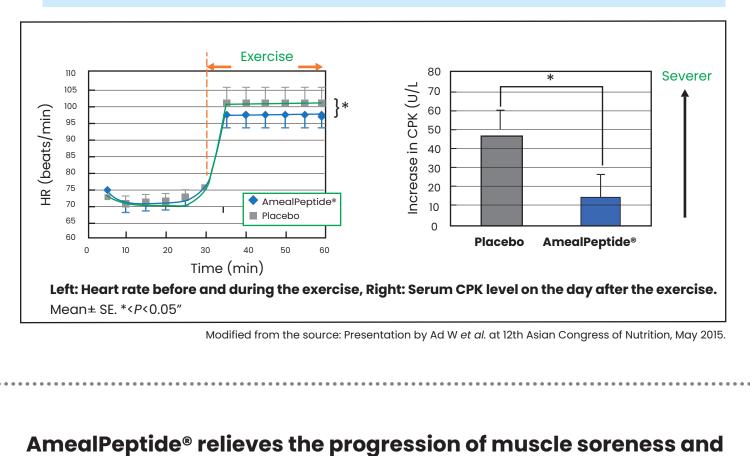
Right: Muscle soreness scoore on the day after exercise.

Left: Fatuigue grade immediatly ;after exercise.

Score (cm by VAS)

5

2



fatigue by a long-term training in long-distance track athletes

Male long-distance track athlete, aged 18-21 (n=48)

4 weeks during a training camp

Tablet with AmealPeptide® (VPP 1.4mg, IPP day)/Placebo

■ Worst

Severe

Moderate

Percentages of the scores Mild 40 No 20 **Before** After **Before** After AmealPeptide® Placebo Placebo AmealPeptide® **Fatigue feeling Muscle soreness** Changes in self-rated physical score after the 4-week training. Meam SE. ±*P<0.05

Modifed from the Source: Presentation by AoW et al. at 70th Japan Society of Nutrition and Food Sciences Annual Congress, May 2016

protein, the lactose levels in VasoDrive-AP (AmealPeptide) are undetectable (under .05%), so it is considered safe for those with lactose intolerance.*

Consumer Affairs Agency, Government of Japan. While it is made from milk



For more information, please visit maypro.com

These statements have not been evaluated by the Food & Drug Administration These ingredients are not intended to diagnose, treat, or cure any disease.

In multiple human studies, VasoDrive-AP (AmealPeptide) exerted an effect in 3-4

weeks, safely and with no side effects.* AmealPeptide is FDA GRAS for inclusion in

food, beverages and dietary supplements in the US and is FOSHU-certified by the

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