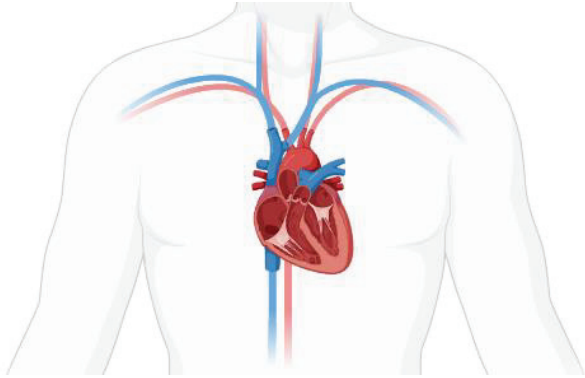


The cGP Lab Ltd develops products that deliver 100% natural, cyclic Glycine-Proline (cGP) – a molecule critical to our health and wellbeing as we age. Ageing is a dominant risk factor for cardiovascular diseases however, early signs of ageing can be found in the younger population. Cardiovascular diseases affect an estimated 17.9 million lives each year making it the leading cause of death globally. cGPMAX^{®PLUS} is The cGP Lab's professional range designed for practitioners.

Vascular Support is formulated using ingredients scientifically proven to support blood vessel health and microcirculation, which are critical to maintaining our cardiovascular system.

Cardiovascular health and Cyclic Glycine-Proline (cGP):

cGP is a molecule produced by our body that normalizes Insulin-like Growth Factor-1 (IGF-1) bioavailability and thus, its function. To maintain homeostasis, cGP stimulates IGF-1 function when it is insufficient or inhibits IGF-1 function when it is overactive, all the while keeping its function within the normal physiological range.



IGF-1 is essential for the growth, repair, and maintenance of blood vessels that form an integral part of the circulatory network, responsible for transporting blood throughout the body, allowing uptake of nutrients and oxygen, as well as helping in removal of cellular waste.

Ageing is associated with a progressive decline of functioning endothelial cells, which line the surface of blood vessels. Primarily driven by increased oxidative stress and inflammation, endothelial cell dysfunction contributes to compromised blood vessel health and is strongly associated

with the development of age-related diseases including hypertension and other forms of cardiovascular diseases. It is also recognised in the pathogenesis of type 2 diabetes.

IGF-1 function maintains overall cardiovascular health and the body's ability to adapt to changes in blood flow and tissue repair through various mechanisms:

- 1) Promoting cell growth and angiogenesis - which is the formation of new blood vessels.
- 2) Maintaining vascular integrity – health and function of existing blood vessels.
- 3) Regulating blood flow through vasoconstriction/vasodilatation.
- 4) Repair and/or removing old and damaged blood vessels.

Age, stress, and lifestyle are all factors that contribute to reduced IGF-1 levels, thereby increasing the need for cGP. However, the body is unable to fulfil the increasing need of cGP resulting in further decline of IGF-1 levels and endothelial cell dysfunction, compromising blood vessel health. This results in a disrupted blood-flow to tissues and organs, adversely affecting their health and function. Continued exposure to reduced blood-flow eventually leads to organ dysfunction and increases susceptibility to severe vascular conditions such as Stroke, and Hypertension.

Ensuring healthy, well supported blood vessels, microcirculation and vasculature is critical for a healthy cardiovascular system.

cGPMAX^{PLUS} Vascular Support brings together scientifically researched and clinically proven ingredients that help support:



Healthy microcirculation



Normal blood pressure



Overall vasculature

Active ingredients:

cGP-PRO: contains the active cyclic Glycine Proline, using NZ grown blackcurrants that regulates the amount of active IGF-1 in plasma. cGP has been extensively studied for its crucial role in remodelling vascular health and preventing age-related vascular degeneration *in vitro* and *in vivo* (1). An observational study demonstrated that hypertensive women had lower cGP concentration compared to those who were normotensive (2).

Grape Seed extract: contains a range of polyphenols known to improve microcirculation and vascular flow by preserving endothelial cell function. Increased oxidative stress and inflammation with age, cause endothelial cell damage leading to cell death and compromised vasculature. Grape Seed extract has been shown to help with Nitric Oxide production supporting the structural integrity and resistance of capillaries (small blood vessels) (3). Research suggests 150mg/day of grape seed extract significantly improved microcirculation in borderline hypertensive patients (4).

Mango Fruit Powder: helps activate endothelial nitric oxide synthase (eNOS) an enzyme that promotes cardiovascular health through Nitric Oxide production, a potent vasodilator, anti-inflammatory, and antioxidant agent. *In vitro* and human studies demonstrated that 100mg/day of mango fruit powder helps activate key metabolic enzymes, SIRT1 and eNOS, which support circulation and endothelial function (5,6).



FOR PRACTITIONERS ONLY

Ingredients (Each capsule contains):

cGP-PRO [®]	100mg
Equivalent to:	
40mcg cGP	
75mg <i>Ribes nigrum</i> (Blackcurrant) Fruit Powder	
10mg Hydrolyzed Collagen (Bovine)	
<i>Mangifera indica</i> (Mango) Fruit Powder	100mg
<i>Vitis Vinifera</i> (Grape) Seed Extract	150mg

Also contains: Gelatin (capsule shell), Maltodextrin, Microcrystalline Cellulose, Magnesium Stearate, Silicon Dioxide, Titanium Dioxide.

May contain traces of fish or molluscs.

Storage: Store below 30°C in a cool, dry place away from direct sunlight.

Manufactured for The cGP Lab Ltd by:
PharmaNZ Limited, 2/18 Lincoln Street, Frankton, Hamilton, 3204, New Zealand. PNZ1.

Suggested use: 2 capsules daily

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