Bio GF
Bio GF Pro

(Hypoallergenic)

Bio GF, Item # 73310
Bio GF Pro, Item # 73320
Available in bottles of 1 fl. oz. (30 ml)

The Possible Benefits of Bio GF and Bio GF Pro, Dietary Supplements

- Support enhancement of growth hormone production in the body
- Use an advanced delivery system to target support of pituitary function
- Use micro-dilution to mimic the pituitary's growth factor activity (in parts per billion)

Description

Bio GF is a micro-solution containing small and medium molecular weight growth factor (GF) peptides, complexed to MMC-2000™ (US patent # 6,063,370). Bio GF contains growth hormone releasing factors that help the body produce growth hormone. It supports the body by giving it what it needs to regenerate its own hormone function and balance. Bio GF does not contain human growth hormone (GH), but target-specific GH-releasing growth factors. These work with the body to produce and release more GH – an intelligent way to naturally enhance GH production.

As happens with other endocrine hormones, such as thyroid hormone, estrogen, testosterone, melatonin and DHEA, growth hormone levels decline as we age, and certain normal bodily processes begin to become inefficient. Adequate levels of GH have been associated with increased muscle mass, decreased body fat, increased endurance, tissue repair, rejuvenation of skin, bones and organs, improved oxygen uptake, immune system support and enhanced sexual function. Although falling in love and being happy are said to be the best ways to release GH, sometimes those conditions cannot be arranged. GH sprays without a researched delivery system, amino acid precursors (secretagogues), and homeopathic GH supplements also may not help.

Bio GF's key element is its patented delivery system, MMC-2000™. Without an advanced delivery system, GH and growth factors will be broken down in the stomach. Bio GF MMC-2000™ is able to target pituitary gland function, supporting the body's growth hormone levels gently and naturally. MMC (Macro-Molecular Complex) forms a matrix around the growth factors contained in Bio GF, stabilizing them and facilitating their transport into the body. MMC is readily absorbed into the body's tissues, because it is recognized by the human body as part of itself. Researchers theorize that by encapsulating the large growth factor molecules, MMC facilitates their transport into the tight junctions between cells, releasing them there and allowing their absorption by the cells. Not only does the MMC deliver the growth factors, experts suggest it activates the receptor sites ("the lock"), guiding the growth factors ("the key") to the right place.

MMC is a natural carbohydrate based complex, certified GRAS (Generally Recognized As Safe), with no known allergy potential. A substantial amount of known safety and therapeutic research has been conducted on the MMC carbohydrates at high concentrations, demonstrating its safety and possible beneficial effects. The micro-dilution concentrations used in the transport system further insure its safety.

When the body is over-supplied with a hormone, the gland that produces the hormone slows down its production, which may result in the body becoming dependent on continued supplementation of that hormone. When GH injections deliver over 100 times the normal physiological amount, a temporary GH flood can generate a 'yo-yo' response in the body. Many of the side effects attributed to GH injections may be caused by this over-stimulation.

Bio GF was designed to avoid both low and excessive GH levels. Until now, the only way to deliver these natural growth factors was by injection. By incorporating our all natural carbohydrate transport system, these potent growth factors can be delivered orally for the first time. Bio GF uses micro-dilution to provide the body with growth factors in parts per billion, which mimics the pituitary's GH activity without sending a message for it to slow down its own GH production. It works with the body's natural GH

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secretions, gently stimulating the production and release of more of its own GH, without tilting the delicate balance within. If Bio GF supplementation is discontinued, the body can easily adjust.

Over 15,000 published studies on GH injections have shown it to be safe, even at a daily dose of 600,000 ng. Bio GF represents an evolution in terms of sophistication and dosage. Bio GF's growth factors specifically help the body restore its normal production of growth hormone at doses as low as 1,000 ng/day, naturally supporting the body's ability to restore optimal balance.

The growth factors contained in Bio GF are derived from a pure vegetarian culture, copying exactly the growth factors found in the human body. They are not found in other animals or plants, but are the exact make-up of human growth factors. These growth factors have been extensively tested at high doses for both safety and efficacy. Bio GF uses a micro-dilution which further insures safety. All raw materials are independently analyzed to verify content and ensure that the raw materials are free of microbial contaminants. Natural preservatives are used to ensure long-term shelf-life.

The recommended times to supplement with Bio GF are in the morning, in the late afternoon, before bed, and prior to exercising. It may be sprayed under the tongue or anywhere else in a mouth that is clean and free of food. After spraying, wait a couple of minutes before eating or drinking anything. Because Bio GF is a micro-dilution formulation, it is not necessary to cycle. Those who prefer to cycle often find that 5 or 6 days on, and 1 or 2 days off, is a good rule of thumb.

Bio GF may enhance the body's natural production of growth hormone, which can beneficially affect glucose metabolism, fat metabolism, hormone regulation, cholesterol production, and blood pressure. It's highly recommended that Bio GF be taken under medical supervision, especially if one is taking medications for any of those functions.

Each bottle contains approximately 85 servings.

Each 2 sprays contain:	Vitamin B12	0.35 mcg
	Polypeptide GF Complex	330 ng (item # 73310) 660 ng (item # 73320)

Other ingredients: Potassium sorbate, sodium citrate, glycine, mucopoly-saccharides, and 72 trace minerals, in a base of purified water.

Suggested Use: As a dietary supplement, 1 to 2 sprays in mouth, three times per day. Limit 6 sprays per day unless otherwise directed by a healthcare practitioner.

Caution: Keep out of reach of children. Not recommended for pregnant or lactating women or individuals under the age of 20. Monitoring by a physician is advised before and during use of this product. Best refrigerated or stored in a cool place.

Selected References

Cohen P, Ocrant I, Fielder PJ, Neely EK, Gargosky SE, Deal CI, Ceda GP, Youngman O, Pham H, Lamson G, et al. Insulin-like growth factors (IGFs): implications for aging. Psychoneuroendocrinology 1992 Aug;17(4):335-342

Cocchi D. Age-related alterations in gonadotropin, adrenocorticotropin and growth hormone secretion. Aging (Milano) 1992 Jun;4(2):103-113.

Maheshwari H, Sharma L, Baumann G. Decline of plasma growth hormone binding protein in old age. J Clin Endocrinol Metab 1996 Mar;81(3):995-997.

D'Costa AP, Ingram RL, Lenham JE, Sonntag WE. The regulation and mechanisms of action of growth hormone and insulin-like growth factor 1 during normal ageing. J Reprod Fertil Suppl 1993;46:87-98.

Martin FC, Yeo AL, Sonksen PH. Growth hormone secretion in the elderly: ageing and the somatopause. Baillieres Clin Endocrinol Metab 1997 Jul;11(2):223-250.

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