PEPTAN COLLAGEN

Product Description

Collagen plays a fundamental role by providing the necessary structural support for the deposition of calcium and other essential minerals, crucial for preserving the structural integrity of bone. Additionally, collagen fibers impart flexibility to the whole structure.
Studies have confirmed that daily intake of 10g of active collagen peptides contributes to maintaining healthy levels of collagen, thereby preserving bone health. In vitro and in vivo research have supported the effectiveness of Peptan® in this specific aspect of bone health.

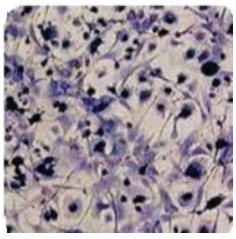
BONE FORTIFICATION
Positive effects

Collagen provides the structural support upon which calcium and other important minerals are deposited to maintain bone structure. Additionally, collagen fibers provide flexibility.

Research has shown that daily intake of 10g of active collagen peptides maintains collagen levels and helps preserve bone health.

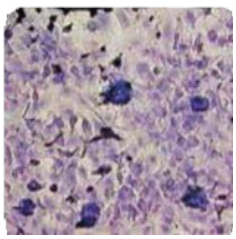
Several in vitro and in vivo studies have demonstrated the effectiveness of Peptan® on bone health.

The active peptides of Peptan® have demonstrated a preference in stimulating bone-forming cells, osteoblasts, over cells that resorb the mineral matrix of the bone, osteoclasts, thus tipping the balance towards bone formation.



osteoblasts A

Stellate cells



osteoclasts B

Black round cells

Culture of osteoblast cells; bone cells in the presence of Peptan® A) or protein (control) (B)

Articular health

A 6-month clinical study involving 100 women aged 40 to 70 with knee arthritis evaluated the effectiveness of treatment with 8g of Peptan® or a placebo. The study showed an overall improvement in joint pain and mobility with Peptan® intake.

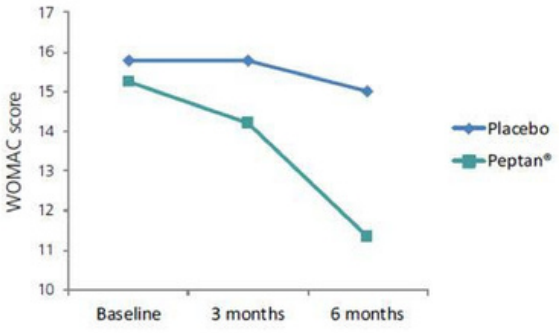


Fig. 1 Effect of Peptan® on knee joint pain in women with gonarthrosis at 3 and 6 months of treatment ($p < 0.05$ at 6 months)

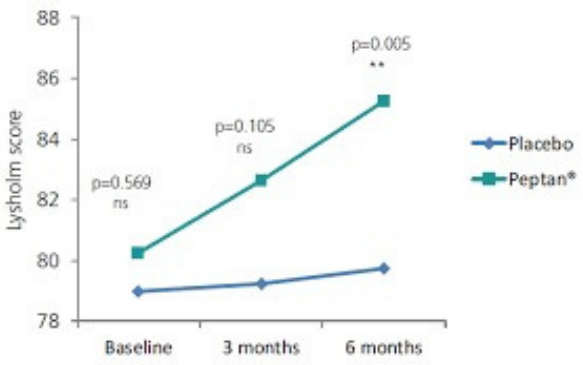
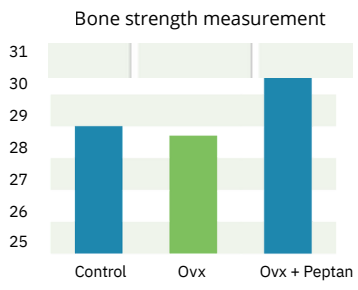


Fig. 2 Effect of Peptan® on knee functionality in women with gonarthrosis at 3 and 6 months of treatment ($p < 0.05$ at 6 months).

An in vivo study on rats with ovarian hysterectomy has shown that daily intake of Peptan® for a study period of 12 weeks produces positive effects on the size, strength, and solidity of bones.



Increase in maximum bone strength in Ovx mice fed with Peptan® for 12 weeks.

CONCLUSIONS

Peptan® is a high-quality collagen with excellent characteristics due to its organoleptic and functional properties on the body.

Peptan® peptides exhibit high digestibility and bioavailability, ensuring their action in the areas of the body where they perform their function.

Peptan® has been shown to act on joint processes, reducing pain and preventing degeneration of joint cartilage.

Furthermore, Peptan® has a specific action on the two processes involved in maintaining bone structure. On one hand, Peptan® inhibits the action of osteoclasts, thus reducing the degradation of bone mass, while simultaneously stimulating the differentiation of cells into osteoblasts, contributing to bone reconstruction. This dual action results in increased bone mineral density and the size and strength of bones.

Thanks to these properties on joint and bone health, Peptan® is a great ally for those groups of people who are more susceptible to suffering from joint and bone inflammation and/or degeneration, such as the elderly, menopausal women, and athletes.

SAFETY FOR CONSUMPTION

Hydrolyzed collagen Peptan® is considered a safe food ingredient.

RECOMMENDED DOSAGE

It is recommended to take 10g of Peptan® per day, either before or after meals, throughout the day, or before going to bed.

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