



ENSURING OPTIMUM JOINT AND BONE HEALTH WITH PEPTAN®



Peptan collagen peptides are proven to effectively improve joint function and flexibility, reduce joint discomfort and support bone density.

Joint and bone health conditions are among the most **important mobility concerns**. Globally, one in three people live with a painful and/or disabling musculoskeletal condition.

One in two **Americans** live with pain related to joint & bone conditions.¹



In **Europe*** 2.6 Million of fragility fractures take place per year.²

*Considering: France, Germany, Italy, Spain, Sweden and UK

Fragility fractures have become nearly epidemic in the US among older adults with over 2 million fractures occurring each year - more than heart attacks, strokes, and breast cancer combined.³

Joint and bones are key to mobility

Keeping them healthy allows us to move freely and efficiently, regardless of our age.



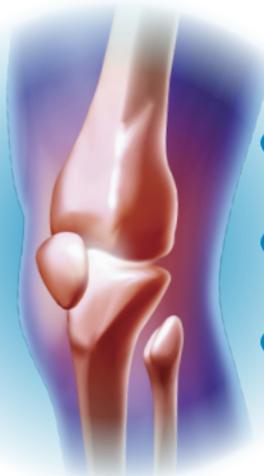
Science's answer to joint and bone health challenges

Peptan is the world's leading collagen peptide brand. Peptan is of natural origin, safe and bioactive ingredient offering proven holistic benefits to joint and bone health.

Peptan supports:

JOINT HEALTH (4,5)

- Reduces joint discomfort and stiffness
- Helps prevent cartilage degeneration
- Uniquely helps reduce joint inflammation



BONE HEALTH (6,7,8,9)

- Helps maintain bone mineral density
- Helps maintain bone strength
- Actively stimulates bonebuilding metabolism

Peptan, a nutritional solution



dairy



powder drinks



beverages



tablets & capsules



nutritional bars

A world of health benefits

Rousselot
Health & Nutrition

BENEFIT FROM OUR (CO-)INNOVATION, COMMITMENT & WORLD-CLASS EXPERTISE

With Peptan[®], you will have a reliable, closely connected partner.



Our global leadership in collagen peptides, combined with our worldwide presence and customer-centric culture, enables us to be a closely connected, reliable partner to you as a manufacturer. We can help you with virtually any product requirement or innovation you have in mind.

References

- ¹ Musculoskeletal conditions, WHO 2019
- ² International Osteoporosis Foundation, 2018
- ³ Michigan Medicine 2019
- ⁴ Jiang, J.X. et al., 2014, Collagen peptides improve knee osteoarthritis in elderly women: A 6-month randomized, double-blind, placebo-controlled study. *Agro Food Industry Hi Tech*, 25:19-23
- ⁵ Dar, Q.A. et al., 2016, Oral hydrolyzed type 1 collagen induces chondroregeneration and inhibits synovial inflammation in murine posttraumatic osteoarthritis. *Osteoarthritis and Cartilage*, 24:S532-S533
- ⁶ Guillerminet, F. et al., 2010, Hydrolyzed collagen improves bone metabolism and biomechanical parameters in ovariectomized mice: An in vitro and in vivo study. *Bone*, 46:827-834
- ⁷ Guillerminet, F. et al., 2012, Hydrolyzed collagen improves bone status and prevents bone loss in ovariectomized C3H/HeN mice. *Osteoporosis International*, 23(7): 1909-1919
- ⁸ Wauquier, F. et al., 2019, Human enriched serum following hydrolysed collagen absorption modulates bone cell activity: from bedside to bench and vice versa. *Nutrients*, 11:1249
- ⁹ Daneault, A. et al., 2015, Biological effect of hydrolyzed collagen on bone metabolism. *Critical Reviews in Food Science and Nutrition*, 10:1040-8398

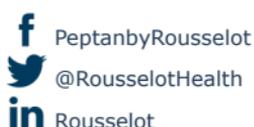
For further references and more information on the science behind Peptan, please visit rousselet.com/health

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