



A world of potential

Rousselot

| by Darling Ingredients

A photograph of a middle-aged man and a woman laughing joyfully together in a kitchen. The man is on the left, wearing a brown sweater, and the woman is on the right, wearing a striped shirt. They are both smiling broadly. In the background, there is a white brick wall and a window. In the foreground, there is a table with a glass of red wine, a cucumber, and some other vegetables. A large blue graphic overlay is positioned over the couple, containing the text 'Mobility Stay young keep moving'.

Mobility
Stay young
keep moving

**COLLAGEN PEPTIDES
FOR MOBILITY**

Marketing Brochure

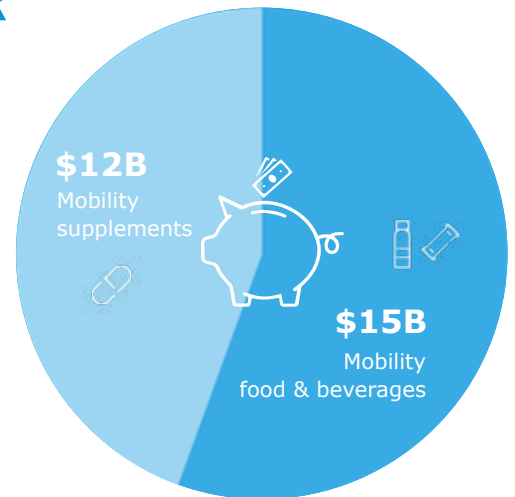
rousselot.com/health

MOBILITY: TOP OF MIND FOR TODAY'S CONSUMERS

Today's health-conscious consumers are diversifying their knowledge and interests. One exciting growth area in the health market is mobility.

A strong market on the rise

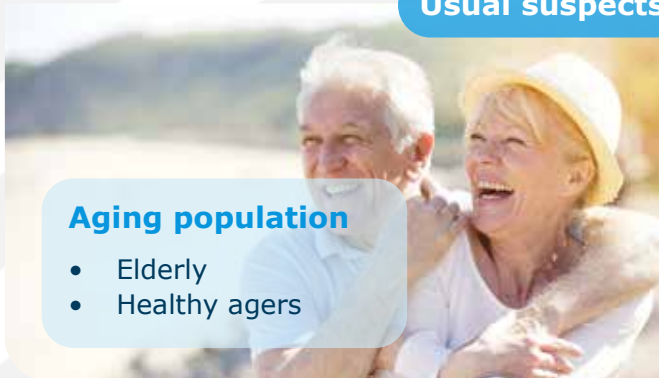
Mobility functional foods & beverages, as well as supplements, have a strong market value.¹



Global retail value
(USD 2021)

CONSUMER PROFILES

Usual suspects



Aging population

- Elderly
- Healthy agers



Sporters

- High to medium activity
- Active lifestyle



Overweight population

Growth opportunities



Digital consumers & lifestyle users

Consumers ♥ mobility

Globally in 2021:



1 in 3

Consumers take supplements for mobility¹



1 in 5

Consumers say that they purchased food & beverages to improve mobility²

1. Euromonitor 2. Innova Market Insights

OUR COLLAGEN SOLUTIONS FOR MOBILITY



Peptan

Collagen peptides for a healthy lifestyle

The scientifically documented and world leading collagen peptides brand³. Available with porcine, bovine, and fish origin, including a wild marine fish option.

[Find out more](#)



Colartix

Unique collagen cartilage matrix for flex in motion

Joint care innovation at a low daily dosage, fueled with consumer-based science.

[Find out more](#)



ProTake

Unlocking application potential with hydrolyzed collagen

Creating reformulated foods and beverages with increased collagen content, reduced fat and sugar as well as improved texture and taste.

[Find out more](#)

Joint



Joint



Protein



Bone



Muscle



Based on scientific studies

Based on food science

Mobility

Benefits observed in scientific studies



Proven bioavailability¹



Reduction of joint discomfort^{2,3}



Prevention of cartilage degradation³



Bone support by increasing bone formation cells and decreasing bone breakdown cells^{4,5}



Improvement of joint function²



Improvement in joint inflammation³



Increase of bone density⁶



Support for muscle health^{7,8}

Discover the science about these brands:

[Download from website](#)

1. Kleinnijenhuis, et al. Non-targeted and targeted analysis of collagen hydrolysates during the course of digestion and absorption. *Anal Bioanal Chem* 412, 973–982 (2020). doi. org/10.1007/s00216-019-02323-x
2. Jiang, J., Collagen peptides improve knee osteoarthritis in elderly women. A 6-month randomized, double-blind, placebo-controlled study. *Agro FOOD industry Hi Tech*, 2014. 25(2).
3. Dar, Q.A., et al., Daily oral consumption of hydrolyzed type 1 collagen is chondroprotective and anti-inflammatory in murine posttraumatic osteoarthritis. *PLoS One*, 2017. 12(4): p. e0174705.
4. 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
5. Wauquier F. et al., 2019, Human enriched serum following hydrolysed collagen absorption modulates bone cell activity: from bedside to bench and vice versa, *Nutrients*, 2019, vol. 11, no. 6, pg. 1249.
6. 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
7. *EFSA Journal* 2010;8(10):1811
8. Clifford T. The effects of collagen peptides on muscle damage, inflammation and bone turnover following exercise: a randomized, controlled trial. *Amino Acids*. 2019;51(4):691-704. Epub 2019/02/21. doi: 10.1007/s00726-019-02706-5.

BENEFITS OF OUR SOLUTIONS

Our collagen solutions come with numerous benefits – not just for consumers, but also for manufacturers.

Application versatility



Fast, superior cold- and warm-water solubility



Neutral in taste and odor, even at high concentrations



Transparent in solution



High stability in a wide range of pH values



Heat resistance



Rousselot's Global Sensory Program draws together insight from our lab analysts and sensory panels to test our products in a scientific, objective and standardized manner. The Sensory Lab is the go-to resource for any questions or ideas you may have about sensory performance.



With Peptan collagen peptides

Peptan Flex & Go Drink

Excellent for bone & joint health plus supporting muscle mass. One glass of this delicious berry drink contains 5g of Peptan, acerola, plus calcium and vitamin D. Naturally high in vitamin C and fiber, Flex & Go is the perfect drink to improve your mobility! It is a source of protein and of calcium and vitamin D, allowing for EFSA health claims for maintenance of bone health and muscle mass.

Want to find out more about this recipe or be inspired on more? [Contact us!](#)

Mix & Match

Rousselot collagens are compatible to blend with other functional ingredients holding mobility health claims as approved by (FDA/EFSA/etc.) such as:

Ca

Calcium

- Is needed for the maintenance of normal bones (EFSA)¹
- Contribute to normal muscle function (EFSA)²
- Function/Structural claim (FDA)² Example: "builds strong bones"

D

Vitamin D

- Vitamin D contributes to the maintenance of normal bones (EFSA)³
- Function/Structural claim (FDA)² Example: "supports strong bone growth"

Mix

Calcium & Vitamin D

Adequate calcium and vitamin D throughout life, as part of a well-balanced diet, may reduce the risk of osteoporosis. (FDA)⁴

Source: EFSA, FDA,

1. EFSA Journal 2009;7(9):1210

2. FDA Dietary Supplement Health and Education Act of 1994 (DSHEA)

3. EFSA Journal 2009;7(9):1227,

4. FDA FDA-2004-P-0205-0006

Complete your product brand story with Peptan and Colartix.

Rousselot Health & Nutrition is a world leader in trusted, science-backed collagen-based solutions. Many of our customers have engaged us in co-developing successful ingredient branding strategies. Selected customers benefit from our endorsement of their products, with access to the Peptan and Colartix brand names and marketing materials.

Rousselot Health & Nutrition can help you with virtually any product requirement or innovation you have in mind, offering:



Transparency



Full traceability



High standards
of quality and safety



Committed to the
environment and
to our clients



Global support
and expert advice

Your Rousselot sales contact information



Rousselot Health & Nutrition

As Rousselot's strategic segment dedicated to health and nutrition, we are committed to developing innovative ingredients answering today's demand for solutions offering proven efficacy, full safety, and premium quality. Our customers can rely on best-in-class products, backed by trusted science as well as on our expert support in formulation, product development, and regulatory advice. Building on the success of our flagship brand Peptan, our collagen solutions offer a world of health benefits for a healthier tomorrow. Rousselot Health & Nutrition is one of three strategic markets served by Rousselot. Rousselot is Darling Ingredients' Health Brand.

f PeptanbyRousselot
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