



Lonza

ONCE DAILY JOINT HEALTH SUPPORT

WORKS IN THE IMMUNE SYSTEM TO SUPPORT JOINT HEALTH IN ONE, 40 MG DOSE

UC-II® MARKET ADVANTAGE



ONCE-DAILY SMALL DOSE

UC-II® undenatured type II collagen's small once-a-day dose helps increase consumer compliance.



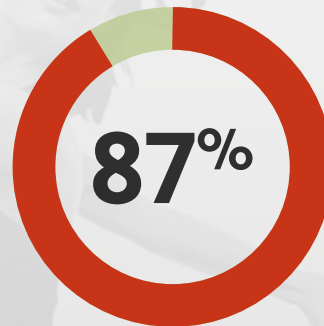
DOUBLE DIGIT GROWTH

For the past 3 years, UC-II® products have enjoyed double-digit annual sales growth.*



HIGHLY DIFFERENTIATED

UC-II® undenatured type II collagen's mechanism of action, small dosage size and clinical research portfolio provides unique product positioning.



Did you know?

87% of consumers consider easy to swallow important in their buying decision of dietary supplements.**



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x

SMALL CAPSULE CONTAINING 40 MG UC-II®
UNDENATURED TYPE II COLLAGEN

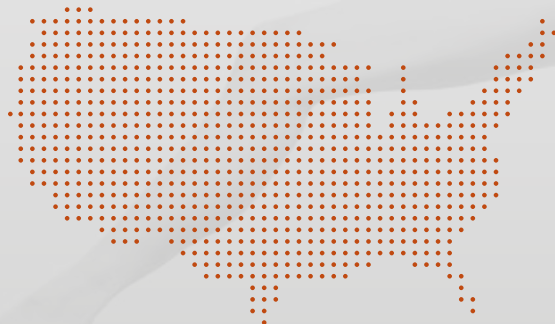
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3

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TABLETS CONTAINING GLUCOSAMINE
AND CHONDROITIN



U.S. Joint health sales - \$1.8 Billion†

More consumers are recognizing that our ability to move freely, requires healthy joints, which function smoothly and recover well after exercise.

An aging population and a rising demand for efficacious products opens up exciting possibilities for innovative joint health supplements.

UC-II® is backed by 3 published well designed clinical studies for joint support.

MAINTAINING JOINT HEALTH IS A TOP CONCERN ACROSS ALL GENERATIONS**

95%

95% of consumers state that maintaining independence with age is the primary driver in taking care of their health.

76%

Millennials understand that "wear and tear" is a given and they want to preserve range of motion and agility.

86%

Seniors are concerned about maintaining their joint health. Decades of movement stresses the joints.



87% Boomers and 85% Gen X'ers taking supplements in the US would like to use dietary supplements for joint health. Not just for older consumers – 76% Millennials are concerned about maintaining their joint health.

*U.S. xAOC 52-week data, 2018.

**NMI U.S. SORD data, 2017.

†Euromonitor Consumer Health and Nutrition Database, 2018.



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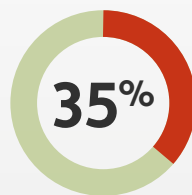
WORKS IN THE IMMUNE SYSTEM TO SUPPORT JOINT HEALTH IN ONE, 40 MG DOSE

SCIENCE BACKED

Randomized, double-blind, placebo-controlled clinical studies show the joint health benefits of UC-II® undenatured type II collagen:

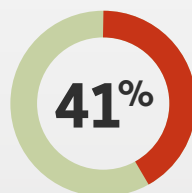
- Significantly increased knee extension in healthy adults compared to placebo.*
- Significantly increased joint comfort and function compared to placebo and glucosamine + chondroitin in people with osteoarthritis.**

UC-II® brand may work via the immune system to support joint health by a process called oral tolerance. Thereby allowing the body to rebuild new cartilage.



Superior to glucosamine + chondroitin as measured by WOMAC

35% better than glucosamine + chondroitin



41% better than placebo. As measured by WOMAC pain subscale.**

10% Improvement in knee extension in healthy, active adults.*

Significant benefits to joint comfort during and after exercise as compared to baseline



Backed by 3 published well designed clinicals



Small, once-daily, 40 mg dose



Studied in healthy, active adults



Superior benefits compared to glucosamine + chondroitin



FDA notified and published new dietary ingredient (NDI)



Self-affirmed GRAS status determined by a leading toxicological group



Sourced and manufactured in the United States

WEAR & TEAR

Daily activities, exercise, or normal stress could lead to joint wear and tear.

REPAIR

New cartilage is made.



CLEAN

Old cartilage is removed.

For more information call 707-751-2800, send an email to info.benicia@lonza.com or contact your Lonza Consumer Health & Nutrition Sales representative. UC-II® is a trademark of Lonza Group Company.

*Lugo JP, et al. J Int Soc Sports Nutr. 2013;10:48.

**Lugo JP, et al. Nutr J. 2016;15:14.

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