



Bioactive Collagen Peptides for Healthy Joints and Active Lifestyles

Joint Health Remains a Top Concern

More than one in four American adults – 54 million people – suffer from joint pain.¹ Age, injury and everyday wear-and-tear can damage cartilage that cushions joints, resulting in reduced functionality and limited ability to work, engage in daily activities and enjoy life. New research shows that joint health is a priority among adults of all ages, not just seniors.² Joint health has become mainstream as more consumers incorporate exercise into their overall health and wellness plans.^{3,4}



Seniors - Healthy Aging



Athletes & Fitness Enthusiasts



People with Physical Jobs



Consumers with Body Weight Stress

The Collagen Solution

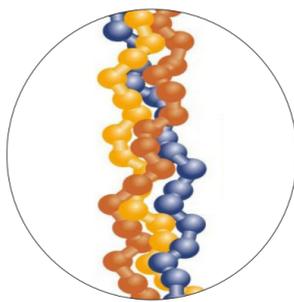
There are 28 different types of collagen in the human body. Collagen type II is the major component in joint cartilage formation. Sourced from pure chicken sternum, type II collagen contains natural hyaluronic acid, chondroitin and glucosamine for lasting joint health. Research shows type II collagen supplementation can stimulate the growth of new collagen to repair cartilage damage, soothe discomfort and help keep joints functioning smoothly.



Not all Collagens are Equal

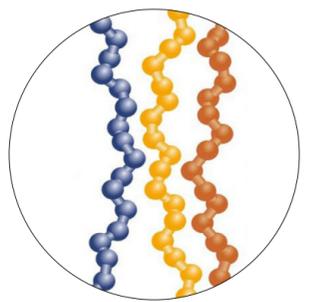
Type II collagen is available in several ingredient forms, but the bioavailability and bioactivity can vary greatly.

1 Undenatured Collagen
This insoluble high molecular weight collagen is too large to be absorbed into the body. It also contains little collagen type II (~25%) and none of the naturally occurring glucosamine and mucopolysaccharides (chondroitin and hyaluronic acid) essential for joint health and function.



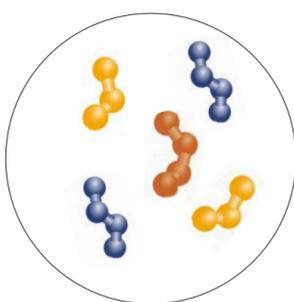
Triple helix

2 Hydrolyzed Collagen
Hydrolyzation breaks the triple helix structure into single strands containing twice the type II collagen proteins (50-70% vs 25%) of undenatured collagen while preserving glucosamine and mucopolysaccharides to enhance bioavailability and bioactivity. Hydrolyzed collagen is 100% water soluble.



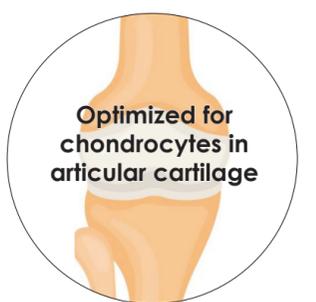
Single helix

3 Collagen Peptides
Single helix strands of type II collagen are further hydrolyzed into smaller peptides of proteins and amino acids that are the most easily absorbed into the body and the most bioactive.



Collagen Peptides

4 Enhancing Joint Health
Taken orally, collagen type II peptides bind to receptors on chondrocytes, specialized cells in the articulate cartilage that help maintain cartilage and the extracellular matrix. The peptides stimulate the production of new collagen.



Optimized for chondrocytes in articular cartilage

Collagen Production

kollaGen II-XS™



kollaGen II-XS™, a pure chicken sternum Type II collagen with hyaluronic acid, chondroitin sulfate and glucosamine for lasting joint health.

- High profile of amino acids (50% to 70%), the building blocks for bone and articular cartilage.
- Therapeutic formula designed to stimulate growth of new collagen and support joint health and joint friction.
- Low molecular weight (20kD) to preserve natural glycosaminoglycans that are degraded in overprocessed collagens.

Demonstrated Efficacy in Human Clinical Trial⁵

General Pain

87.9% reduction (p value = 0.007)

Range of Motion Associated Pain

(76.1% reduction, p value = 0.021)

Flexibility

(62.4% increase, p value = 0.005)

A 30-day clinical investigation of the safety and efficacy of kollaGen II-XS, a new avian sternal collagen type II hydrolysate. HealthMED - Volume 10 / Number 2 / 2016.

Non-GMO | Non-Irradiated | Non-ETO | TSE/BSE-Free | Allergen-Free | Pesticide-Free

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Learn More

KollaGen II-XS™ is a functional ingredient for foods, beverages and supplements. Visit us at www.infinitinutraceuticals.com

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¹ Center for Disease Control and Prevention website. Arthritis Fast Facts. September 2021.
² Joint Health Trends: Major Industry Players See Growing Interest Beyond Seniors. Nutraingredients-asia.com. August 2021.
³ Nutrition Business Journal - 2020 Condition Specific Report.
⁴ FMCG Gurus - Exploring the Impact of Nutritional Supplements - Global - 2020.
⁵ A 30-day clinical investigation of the safety and efficacy of kollaGen II-XS, a new avian sternal collagen type II hydrolysate. HealthMED - Volume 10 / Number 2 / 2016.
⁶ Internal documents on independent research conducted by Morteck Scientific Inc. January 2014.