



## Joint Care Plus

### Proven stronger joint support with Collagen type II and Hyaluronic Acid

Joint Care Plus contains the same proven nutraceuticals that are in our Joint & Skin Support recipe. Used daily, it is the perfect complement to any glucosamine product including Joint Care or can be used as a standalone therapy for joint disease.

#### Benefits include:

- Type II collagen sourced from a patented formula with published clinical studies proving efficacy
- Nutraceuticals proven effective for treating joint inflammation and mobility
- Nutraceuticals proven to significantly improve in pain, flexibility and range of motion
- Suitable for use in dogs and cats, may be sprinkled onto the food, highly palatable

### SUPPLEMENT OVERVIEW

Joint Care Plus is a truly unique and effective veterinary joint health supplement that can be used safely in dogs and cats. No other pet product on the market combines these three ingredients:

- Type II Collagen (patented KollaGen II-xs™)
- Chondroitin Sulfate
- Hyaluronic Acid

**KollaGen II-xs™**, was found to be safe and effective in treating joint inflammation, secondary mobility, as well as providing other beneficial effects, according to a 60 day human clinical study.<sup>1</sup> Another study found that 78% percent of the individuals treated noticed substantial improvement in relief of symptoms, including range of motion, pain and muscle strength.<sup>2</sup> **Hyaluronic acid** acts as a cushion and lubricant in joints and other tissues. It also has been shown to affect the way the body responds to injury. According to scientific research and double-blind, placebo-controlled studies in humans, hyaluronic acid taken orally has also been shown to be effective for osteoarthritis.<sup>3</sup> **Chondroitin Sulfate** is naturally derived from animal sources and helps protect cartilage in joints from breaking down. Chondroitin sulfate is one of the building blocks of cartilage and has been reported to reduce joint damage and slow disease progression in osteoarthritis, through peer-reviewed scientific research.<sup>4 5 6 7</sup>

### SUPPLEMENT INDICATIONS

Joint care plus is indicated in healthy dogs or cats or dogs and cats with osteoarthritis and degenerative joint disease as a standalone or complement therapy.

### RECOMMENDED USES

- Healthy dogs and cats to promote tissue recovery after exercise
- Joint diseases in dogs: hip dysplasia, patellar luxation, OCD, etc.
- Joint disease in cats: osteoarthritis, back pain, sprains or injuries
- As a standalone therapy or adjunct to NSAID therapy

### SAFETY

Joint Care Plus is a naturally derived hydrolysate of avian sternum and a natural blend of mucopolysaccharide compounds and amino acids (the building blocks of joint cartilage). It is exceedingly safe and has a wide therapeutic range. Overdoses have not been reported.

### DOSING

Dogs <24 lbs: 1 capsule daily  
 Dogs 25-55 lbs: 2 capsules daily  
 Dogs 55-100 lbs: 3 capsules daily  
 Dogs >100 lbs: 4 capsules daily

#### Supplement Facts

Serving Size 2 capsules		Servings Per Container 30
Amount Per Serving		
KollaGen II-xs™ Type II Collagen	.....	800mg
Chondroitin Sulfate (as Chondroitin sulfate sodium)	.....	200mg
Hyaluronic Acid (as sodium hyaluronate)	.....	100mg

KollaGen II-xs™ is a trademark of Certified Nutraceuticals, Inc. and is protected by U.S. patent #8,344,106.

<sup>1</sup> In the trial, researchers selected 20 patients' ages 17 years to 81 years (10 males / 10 females) with confirmed joint damage and cartilage injuries, diagnosed with imaging/scoping with low to high pain scales. Supplementation with KollaGen II-xs produced a significant treatment response at seven days for flexibility (33.3% increase; P = 0.035) and at 60 days for general pain (91.6% reduction; P = 0.005), flexibility (68.5% increase; P = 0.004) and range of motion associated pain (76.1% reduction; P = 0.011). The substantial treatment response continued through 60 days for pain (78.8% reduction; P = 0.001). There were no adverse events reported during the study and the treatment was reported to be well tolerated by study participants. It was concluded that KollaGen II-xs benefited joint inflammation and pain, flexibility, as well as supported arthritic participants (rheumatoid and osteoarthritis alike).

<sup>2</sup> Another study, entitled "A 30-day clinical investigation of the efficacy of KollaGen II-xs, a new avian sternal collagen type II hydrolysate," was recently published in the peer-reviewed journal *HealthMED*. The results of the study indicate that the administration of 1500mg of avian sternal collagen type II hydrolysate daily ingested over 30 days is safe and efficacious in reducing symptoms of joint discomfort.

<sup>3</sup> Oe M, Tashiro T, Yoshida H, et al. Oral hyaluronan relieves knee pain: a review. *Nutrition Journal*. 2016;15:11. doi:10.1186/s12937-016-0128-2.

<sup>4</sup> Uebelhart D, Thonar EJ, Delmas PD, Chantraine A, Vignon E. Effects of oral chondroitin sulfate on the progression of knee osteoarthritis: a pilot study. *Osteoarthritis Cartilage*, 6 (Suppl. A), 39-46 (1998).

<sup>5</sup> Uebelhart D, Malaise M, Marcolongo R, DeVathaire F, Piperno M, Mailleux E, Fioravanti A, Matoso L, Vignon E. Intermittent treatment of knee osteoarthritis with oral chondroitin sulfate: a one-year, randomized, double-blind, multicenter study versus placebo. *Osteoarthritis Cartilage*, 12, 269-276 (2004).

<sup>6</sup> Michel BA, Stucki G, Frey D, De Vathaire F, Vignon E, Bruehlmann P, Uebelhart D. Chondroitins 4 and 6 sulfate in osteoarthritis of the knee: a randomized, controlled trial. *Arthritis Rheum.*, 52, 779-786 (2005).

<sup>7</sup> Kahan A, Uebelhart D, De Vathaire F, Delmas PD, Reginster JY. Long-term effects of chondroitins 4 and 6 sulfate on knee osteoarthritis: the study on osteoarthritis progression prevention, a two year, randomized, double-blind, placebo-controlled trial. *Arthritis Rheum.*, 60, 524-533 (2009).