

DASUQUIN® **ADVANCED** JOINT HEALTH SUPPLEMENT

FOR CATS

DASUQUIN ADVANCED

DASUQUIN 6

ADVANCED JOINT HEALTH SUPPLEMENT

FOR CATS

84 Soft Chews

Soft Chews

TRAHD 22393099

NET WT 2.95 02 (54 GRAM

ADVANCED FORMULA

- NMX1000[®] ASU
- FCHG49[®] Glucosamine
- TRH122[®] Sodium Chondroitin Sulfate
- Green Tea Extract (EGCG)
- Manganese Ascorbate
- Proprietary boswellic acids high in AKBA
- EPA/DHA Omega-3's (Only found in Soft Chews)
- B-glucan to help keep a healthy immune system (Only found in Soft Chews)

ADVANCED SCIENCE

- Ingredients supported by research:
- Inhibition of multiple inflammatory mediators including NF-kB, the "switch" that turns on the inflammatory pathway
- Support of healthy cartilage matrix production
- Protection against cartilage breakdown

ADVANCED PACKAGING

- New dispensing cartons containing bottles or bags labeled for clinic dispensing only
- This non-internet friendly design helps you maintain and build your clinic's business
- An area on each bottle is reserved for your clinic label encouraging compliance
- Each carton has a unique tracking number to help protect against internet diversion



nurramax LABORATORIES VETERINARY SCIENCES, INC. 946 Quality Drive • Lancaster, SC 29720 nutramaxlabs.com • 1-888-886-6442

U.S. Patent Nos. 6.797.289, 8.753.697, and 9.572.791. For use under U.S. Patent Nos. 8.568.803 and 8.808.770. Additional Patent Pending

REFERENCES

DASUQUIN

OINT HEALTH SUPPLEMENT

FOR DISPENSING ONLY BY VETERINARIANS

ISING SIZE . REMOVE SLOT FOR US NOT FOR RESALE ON THE INTERNET

ADVANCED

61 Six 60 ct Bott

her Finch Nets:
1. Lippiello L, Woodward J, Karpman R, Hammad TA. Clin Orthop Rel Res 2000;381:229-240.
2. Heinecke LF, Grzanna MW, Au AY, et al. Osteoarthritis Cartilage 2010;18:220-227.
3. Data on file. Nutramax Laboratories Veterinary Sciences, Inc. 2012.
4. Punke JP, Au RY, Au AY, et al. 2007 ACI/S Veterinary Symposium: poster.
5. Grzanna MW, Heinecke LF, Au AY, et al. 36th Annual Conference Veterinary Orthopedic Society 2009;poster.

DASUQUIN

ADVANCE

Source: Among veterinary brands, Survey conducted among small animal veterinarians who recommended oral joint health supplements



- Support cartilage matrix production and inhibit cartilage breakdown
- Together shown in cell culture research to protect cartilage better than either one alone¹
- Also help to support comfort level

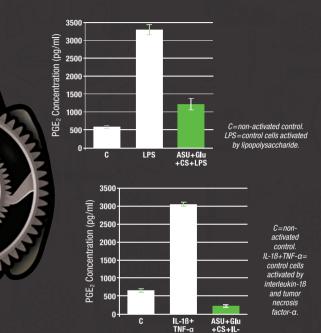


cartilage. A is from group given Glu, CS= and manganese ascorbate (more cartilage) B is from control group (less cartilage)

Avocado/Soybean Unsaponifiables (ASU):

Protects cartilage and supports joint comfort

In feline chondrocytes, the combination of ASU, Glu, and CS decreased PGE₂ production compared to activated control^{4,5}



DASUQUIN®

JOINT HEALTH SUPPLEMENT

ADVANCED

(ATS

Green Tea Extract (EGCG):

- Provides antioxidant benefits
- Epigallocatechin gallate (the green tea extract EGCG) plus ASU inhibited COX-2 expression and PGE₂ production better than either agent alone in cell culture research
- Nuclear translocation of NF-kB (activation which "switches on" the inflammatory pathway) was also inhibited by EGCG plus ASU²

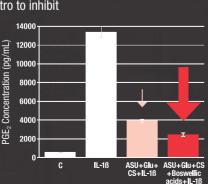
Control chondrocytes (A) contain most NF-kB (stained bright green) in the cytoplasm. When chondrocytes are activated (B), NF-kB moves in to the nuclei to start the inflammatory cascade. ASU and EGCG (C) inhibit much of this nuclear translocation, inhibiting the cascade at its source

Boswellia Serrata Extract (AKBA):

The proprietary blend in Dasuguin[®] Advanced contains a selective mix of boswellic acids high in AKBA (acetyl-11-keto-boswellic acid). which has been shown in vitro to inhibit the inflammatory response

2GE

- **30% more reduction** in PGE₂ in vitro by adding our boswellia to ASU+Glu+CS³
- Boswellia+ASU has been shown in cell culture research to inhibit other inflammatory mediators (IL-6, IL-8, and MCP-1)³



Soft Chews Only

AAAAA