

# Joint Support - Built for Zoomies. Backed by Science



## The world's most researched, fast-acting, eggshell membrane collagen ingredient on the market.

NEM® is our flagship eggshell membrane collagen ingredient, produced through a patented partial hydrolyzation process that unlocks its full library of bioactive components to target the source of joint comfort, integrity, and function. In a randomized, double-blind, placebo-controlled canine study, NEM® demonstrated significant improvements in joint pain and function compared to placebo within 7 days, along with a chondroprotective effect shown by reductions in the cartilage degradation biomarker, CTX-II, at week 6.



## Healthy Joints, Happier Pets

Approximately 1 in 5 dogs and cats over one year old are affected by joint issues – but joint degeneration begins before symptoms appear, making proactive support key to reducing reliance on costly, stressful medications or surgery.

## How NEM® Keeps Pets in Motion

The protein-rich matrix of NEM® naturally contains types I, V, and X collagens, key glycosaminoglycans including chondroitin-, dermatan-, and keratan-sulfate, and hyaluronic acid – all of which are building blocks for healthy joints. NEM's unique structure enables an oral tolerance immune mechanism that modulates inflammation – thereby reducing joint pain and stiffness while supporting cartilage maintenance and protection.

-  Everyday Joint Support
-  Active & Working Dogs
-  Long-term Mobility & Quality of Life



### Fast-Acting

Improves joint pain & function  
in as little as 7 days



### Clinically Proven

Backed by placebo-controlled  
canine research



### Triple-Action Support

Targets pain, stiffness,  
and cartilage health



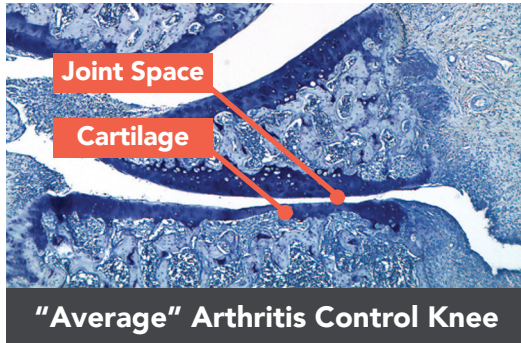
### Protects Cartilage

Provides naturally occurring  
types I, V, and X collagens



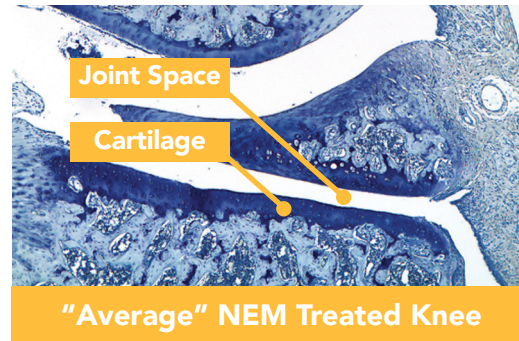
# NEM® in Action: Mechanistic Insights and Clinical Results in Dogs

NEM® supports joint health at the source – not just the symptoms



Joint space width (white space) is substantially reduced in the arthritic control knee.

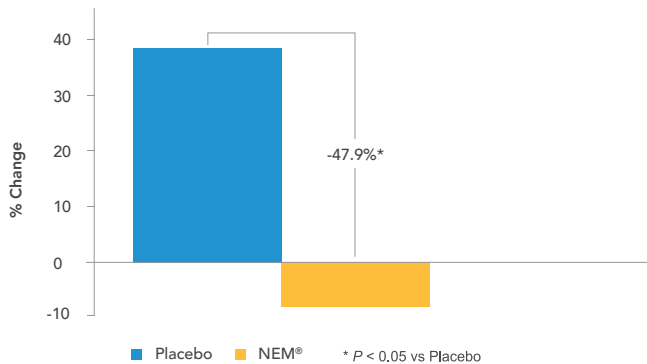
Mouse Model<sup>(1)</sup>



Cartilage (dark purple) is substantially thicker in the NEM-treated knee.

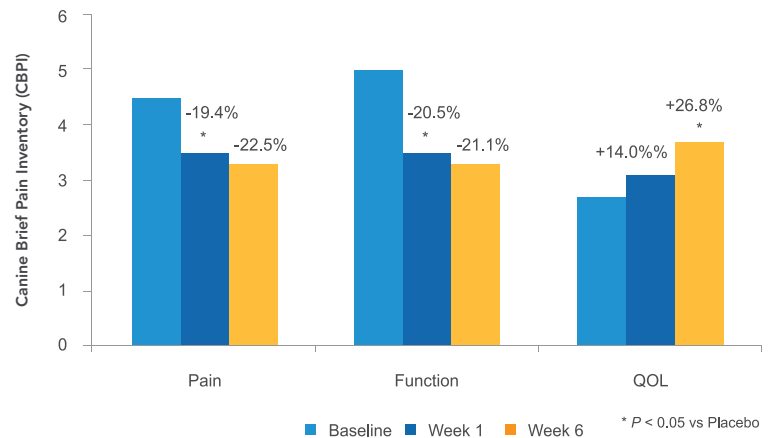
Mouse Model

## Chondroprotective Effect via CTX-II



Significant reduction in Serum CTX-II levels after 6 weeks of supplementation with NEM®

## Effect of NEM® on Pain, Function & Quality of Life



## Recommended Daily Dose in Pet Supplements & Treats

| Species | Breed Size | Weight   | Recommended Daily Dose |
|---------|------------|----------|------------------------|
|         | Small/Toy  | 5-11 kg  | 150 mg/day             |
|         | Medium     | 11-25 kg | 300 mg/day             |
|         | Large      | 25-35 kg | 450 mg/day             |
|         | Giant      | 35-45 kg | 600 mg/day             |
|         |            | 5-11 kg  | 150 mg/day             |
|         |            | > 500 kg | 1500K-3K mg/day        |

Unleash their Zoomies  
for Years to Come with NEM®!

### References

- Wedekind KJ, Ruff KJ, Atwell CA, Evans JL and Bendele AM. (2016) *Modern Rheumatology*, 1-38.
- Ruff KJ, Kopp KJ, Von Behrens P, Lux M, Mahn M and Back M. (2016) *Veterinary Medicine: Research & Reports*, 7:113-121.

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