



# BACKED BY SCIENCE

In a randomized, double-blind, crossover design dog study, a stifle osteoarthritis (OA) model was used to determine if GlycoFlex® 3 could reduce cartilage breakdown and help normalize joint function.\*

The results of the study support that GlycoFlex® 3 may **reduce the severity of cartilage breakdown and synovitis, and help normalize joint function in dogs** with stifle joints affected by OA.



\* Washington State University Study: The effects of GlycoFlex® 3 on stable stifle osteoarthritis model in dogs

### What is cartilage and why is it important?

» Cartilage is a flexible, tough connective tissue found throughout the body. This fine, rubbery tissue functions as primary padding that cushions bones and joints.

### What is *Perna canaliculus* (GlycoOmega™ Brand) Green-Lipped Mussel?

» Edible shellfish from New Zealand, rich in amino acids, chelated minerals, fatty acids, and all classes of glycosaminoglycans (GAGs), including chondroitin sulfates, which are important in maintaining healthy connective tissue.

### What is glucosamine?

» Glucosamine is needed for building cartilage. Joint cartilage requires glucosamine because it is a precursor for glycosaminoglycans (glucosamine makes glycosaminoglycans). Glycosaminoglycans are a major component of joint cartilage.

» Sulfur needs to be incorporated into cartilage in order to build new cartilage. Glucosamine plays a crucial role in incorporating sulfur into cartilage.

### What are glycosaminoglycans (GAGs)?

» Principle components of cartilage and synovial fluid that support the structure of collagen, tendons, and ligaments.

### What is chondroitin?

» It is a major component of cartilage. Chondroitin helps keep cartilage healthy by absorbing fluid (particularly water) into the connective tissue. It may also block enzymes that break down cartilage, and it provides the building blocks for the body to produce new cartilage.

### What is methylsulfonylmethane (MSM)?

» MSM is a sulfur compound. Sulfur is needed to form connective tissue. MSM also may act as an analgesic supporting comfort by lessening nerve impulses.

### What is N,N-Dimethylglycine (DMG)?

» A naturally occurring amino acid derivative and immune modulator that supports circulation, oxygen utilization, cardiovascular health, cellular structure, as well as joint comfort and hydration.

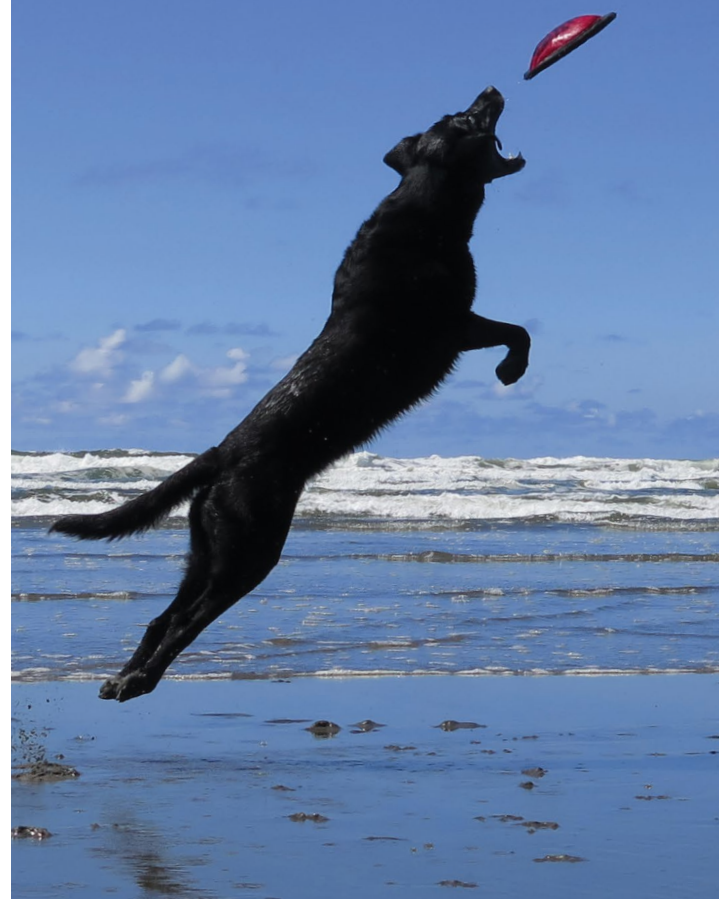
## 100% SATISFACTION GUARANTEE

### Client Brochure

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# THE GLYCOFLEX® DIFFERENCE



# INGREDIENT

	STAGE 1	STAGE 2	STAGE 2 FELINE	STAGE 3	STAGE 3 FELINE/MINI	+PLUS FELINE/MINI	+PLUS FELINE/MINI
Glucosamine HCl (Shrimp and Crab)	500 mg	750 mg	250 mg	1000 mg	250 mg	1000 mg	250 mg
Methylsulfonylmethane (MSM)		500 mg	250 mg	1000 mg	250 mg	1000 mg	250 mg
<i>Perna canaliculus</i> (GlycoOmega™ brand Green-Lipped Mussel)	600 mg	600 mg	300 mg	600 mg	300 mg	600 mg	200 mg
Chondroitin Sulfate (Porcine)						400 mg	100 mg
N,N-Dimethylglycine HCl (DMG)	100 mg	100 mg	50 mg	100 mg	50 mg	100 mg	50 mg
dl-alpha Tocopheryl Acetate (Vitamin E)				50 IU	25 IU	50 IU	25 IU
Calcium Ascorbate (Vitamin C) (Tablet)				30 mg			
Ascorbic Acid (Vitamin C) (Chew)				24 mg	12 mg	24 mg	12 mg
Manganese (as Manganese Amino Acid Chelate) (Tablet)		10 mg	5 mg	10 mg			
Manganese (as Mn Proteinate) (Chew)		10 mg	5 mg	10 mg	5 mg	10 mg	5 mg
Grape Seed Extract				5 mg	2.5 mg	5 mg	2.5 mg
L-Glutathione				2 mg	1 mg	2 mg	1 mg
Selenium (as Sodium Selenite)				0.002 mg	0.001 mg	0.002 mg	0.001 mg

GlycoOmega™ is a trademark of Aroma New Zealand Ltd.

## STAGE 1 Basic Strength

GlycoFlex® 1 is designed to encourage a lifetime of healthy joints for all dogs and those predisposed to hip and joint health issues. GlycoFlex® 1 includes *Perna canaliculus* green-lipped mussel, glucosamine and N,N-Dimethylglycine (DMG). This combination of whole food organism green-lipped mussel, glucosamine and DMG provides the foundational ingredients needed to build healthy cartilage and support normal joint function.

GlycoFlex® 1 is a great proactive joint supplement for growing and active dogs.



## STAGE 2 Moderate strength

GlycoFlex® 2 provides the right joint support for working dogs, agility and competitive dogs, especially if they are just beginning their active lifestyle. This formula includes all the benefits of GlycoFlex® 1 with the addition of MSM, which may help with discomfort caused by normal day to day activity.

GlycoFlex® 2 is also recommended for cats and dogs showing early signs of aging and those needing hip and joint support.



## STAGE 3 Ultimate strength

GlycoFlex® 3 is our most popular formula and the best joint supplement for very active pets—designed to support bone and joint health and the functions of joint and connective tissue. This formula includes high levels of glucosamine, MSM and perna for maximum joint support as well as manganese, vitamin C and glutathione for better absorption and immune support.

GlycoFlex® 3 is recommended for dogs and cats that are showing more serious need for support with healthy aging, joint comfort and mobility.



## +PLUS

The newest addition to the GlycoFlex® family, GlycoFlex® Plus offers all the benefits of GlycoFlex® 3 plus added chondroitin. Chondroitin supports connective tissue in the joint by absorbing fluid into the joint for better lubrication. This is our most advanced joint support formula for complete joint health support.

GlycoFlex® Plus is available in a duck flavored soft chew to meet the needs of pets that may react poorly to chicken related products.

