



# VetriFLEX®

*How can I stay  
ACTIVE longer?*

Vetri FLEX®: Any age, any stage		MILLIGRAM LEVELS BELOW ARE PER CHEW
WEIGHT	ALL WEIGHT RANGES	
GLUCOSAMINE HCL (SHRIMP & CRAB)	500 mg	
METHYLSULONYLMETHANE (MSM)	500 mg	
PERNA CANALICULUS (GlycOmega™ brand Green-Lipped Mussel)	300 mg	
CURCUVET® (Curcumin Phytosome®)	150 mg	
N,N-DIMETHYLGLYCINE (DMG)	100 mg	
CASPEROME® (Boswellia Phytosome®)	75 mg	
D-ALPHA TOCOPHERYL ACETATE (VITAMIN E)	25 IU	
ASCORBIC ACID (VITAMIN C)	25 mg	
LEUCOSELECT® (Grape Seed Phytosome®)	5 mg	
MANGANESE (MN PROTEINATE)	5 mg	
HYALURONIC ACID (HyaMax® Low Molecular Weight Sodium Hyaluronate)	5 mg	
SELENIUM (SODIUM SELENITE)	0.005 mg	
DIRECTIONS FOR USE	0-30 lbs: ½ chew daily	31-60 lbs: 1 chew daily
	61+ lbs: 2 chews daily	
0900928.050		
NO LOADING DOSE		

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4. Cuomo J, et al., Comparative absorption of a standardized curcuminoid mixture and its lecithin formulation. J Nat Prod, 2011. 74(4): p. 664-9.

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8. Togni S, Appendino G. Curcumin and Joint Health: From Traditional Knowledge to Clinical Validation (2103) Bioactive Food as Dietary Interventions for Arthritis and Related Inflammatory Diseases.

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**VetriSCIENCE®**  
Laboratories **PRO LINE**

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# BETTER BY LEAPS AND BOUNDS



## STRUCTURAL SUPPORT: DYNAMIC & COMPREHENSIVE

### **Phytosome® – increasing the power of botanicals**

The Phytosome® Complex is defined as a solid dispersion of an extract in a dietary phospholipid matrix (non-GMO lecithin from soy). In a Phytosome® the ingredient becomes an integral part of the lipid membrane, thus improving the systemic bioavailability when administered orally.<sup>1, 2, 5</sup>

**Vetri FLEX® is recommended for the structural support of joints and soft tissues, as well as a healthy inflammatory response in all organs.**

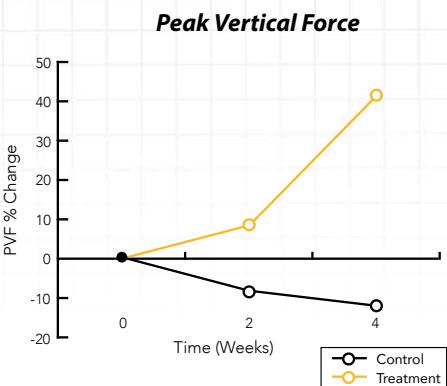
- » Innovation: Phytosome® technology for optimal intestinal uptake of ingredients.
- » Low molecular weight ingredients for optimal bioavailability: curcumin, boswellia, grape seed extract, and hyaluronic acid.
- » VetriScience® has been awarded six patents for DMG's beneficial effect on various areas of health, including a healthy inflammatory response.



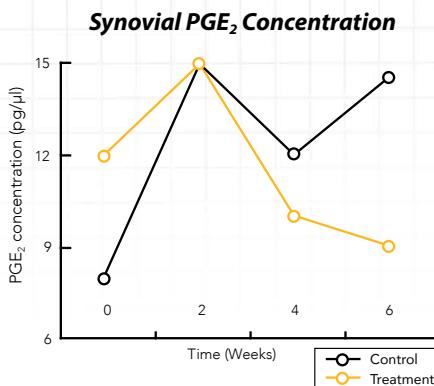
FoodScience Corporation holds US Patent 1,183,037 "Methods and Compositions for Modulating Immune Response and for Treatment of Inflammatory Disease."

### Clinical trials with Perna Canaliculus

- » Vetri FLEX® contains the essential building blocks for the support of cartilage, synovial fluid, ligaments, tendons and collagen.
- » Clinical trials with dogs, cats, and horses have led to evidence that Perna canaliculus supports mobility, range of motion, and the overall comfort level of the animals.<sup>10</sup>



Treatment dogs showed a 41% increase in peak vertical force after 4 weeks of treatment with Glyco FLEX® 3 compared to pretreatment values.

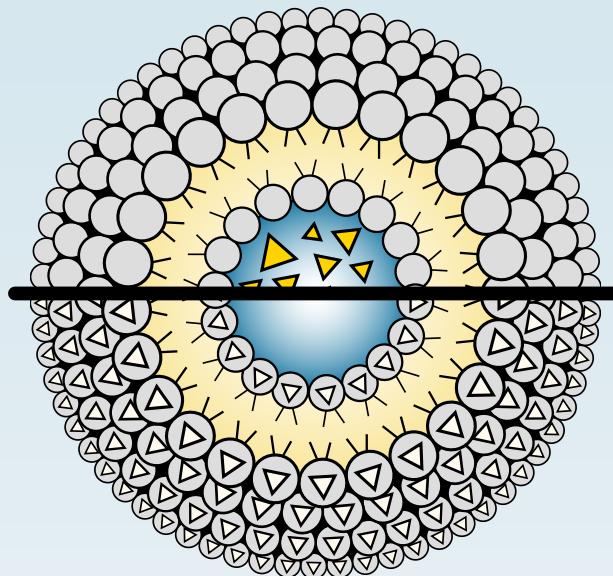


Prostaglandin PGE<sub>2</sub> concentrations of control versus treatment group over time.

### **CurcuVET® (Curcumin Phytosome®)**

- » Pharmacokinetic studies demonstrate a nearly 30 fold increase in bioavailability when compared to standard curcumin extracts.<sup>4</sup>
- » The proprietary Phytosome® technology combines curcumin and phosphatidylcholine in a 1:2 ratio promoting efficient absorption across membranes. This produces significantly higher peak plasma concentrations and larger area under concentration-time curves (AUC). In a single-dose pharmacokinetic animal study, plasma curcumin levels were 20-fold greater with CurcuVET® than standard curcumin.<sup>3</sup>
- » A recent study compared the bioactivity of CurcuVET® to non-steroidal anti-inflammatory drugs, finding that CurcuVET® was effective in helping to maintain the markers associated with a normal inflammatory response in canines.<sup>9</sup>
- » Extensive studies have proven curcumin to be a potent COX-2 and 5-LOX inhibitor.<sup>8</sup>
- » Numerous studies in dogs, horses, rodents and humans demonstrate CurcuVET®'s potential for helping to maintain normal inflammatory processes.<sup>6, 7</sup>

### **Liposome**



### **Phytosome® Complex**

- ▶ Water soluble free nutrient
- ▶ Phosphatidylcoline
- ▶ Phosphatidylcoline-nutrient complex

### **Casperome® (Boswellia Phytosome®)**

- » The bioavailability of Boswellic acids from Casperome® is greatly optimized both at the plasma and at the tissue level.<sup>5</sup>
- » Studies show that serum levels of KBA (11-keto-β-Boswellic acid) are increased seven fold, and serum levels of β-Boswellic acid can be increased three fold when compared to standard Boswellia serrata gum capsules with the same amount of Boswellic acids.<sup>5</sup>

### **LeucoSelect® (Grape Seed Phytosome®)**

- » Research has demonstrated LeucoSelect®'s ability to reduce oxidative stress and to support plasma antioxidant defenses, both in physiological and clinical conditions.



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