

# Biologic Paws

An In Depth Review of the Mechanism and Benefits of *Curcumin BioBDMC™* for Dogs



PET ALTERNATIVE  
WELLNESS SCIENCES

**BIOLOGIC®**  
pharmamedical  
research + manufacturing



NATURAL LIFE-CHANGING SOLUTIONS

# CURCUMIN BIOBDMC™

**Curcumin BioBDMC™** is a natural potent anti-inflammatory curcuminoid technology with extraordinary antioxidant activity. The technology is so distinct from regular curcumin it is now patented. It works inside the cell by directly influencing that genetic activity (Epigenetics) to optimise genes that promote healthy aging.

However, it does so much more. The groundbreaking research into this technology shows it slows down proteins in the cell that are responsible for escalated inflammation. Since all diseases are characterized by underlying inflammatory chemistry it works to take the edge of most diseases from gastrointestinal, skin and coat to joint and brain illness.

And there is more. The research reveals an extremely potent antioxidant activity and this two has two levels of activity. On one front it adds surface acting antioxidant activity but also stimulates genomic actions that literally have the cells of the body making internal antioxidants (endogenous) like glutathione, superoxide dismutase (SOD), catalase and hemeoxygenase. These are powerful antioxidants that protect the insides of the cell including the mitochondria (the powerhouse or energy maker of the cell)

**Curcumin BioBDMC™** sets in place a potent anti-aging activity, joint health, skin and coat health and general biological maintenance to help prevent disease and premature aging. It guides genetic activity and proteome or cell signalling activity towards healthier more youthful function.



The oxidation that can escalate in our senior animals also interferes with the activity of the chondrocyte. Since our pets' protective antioxidant systems degrade as they age, oxidant interference with the work of the chondrocytes goes unchallenged. Even dogs on a raw food diet will need extra support in the form of chondrocyte activators as they age. Food alone, even if it is fresh and whole, cannot accomplish the task. Using an agent daily that counters this escalated oxidation and inflammation helps the body stay youthful; frees the natural maintenance systems of the oxidative and inflammatory encumbrance. Curcumin BioBDMC™ taken daily is a perfect countermeasure that helps preserve youth and health.

Research supports the use of chondroitin and glucosamine supplementation for joint health. Research also shows curcumin to be a formidable anti-inflammatory agent. Our research has gone even deeper to discover specific fractions of curcumin, curcuminoids, that have highly specific genomic influences; influences that change how our cells manage inflammation. **Curcumin BioBDMC™** is a result of applying this research to modify curcumin and make it more reliable. This precious anti-inflammatory agent combats inflammation associated with ageing and injury and nullifies uncontrolled inflammation that interferes with tissue, including joint tissue, restoration. Inflammation is necessary for recovery.

However, uncontrolled inflammation prevents recovery. On its own or combined with glucosamine and chondroitin Curcumin BioBDMC™ sets the stage for recovery from skin disease, gastrointestinal inflammation, joint inflammation, and degeneration and more by allowing aspects of inflammatory activity to do its job but stopping the uncontrolled inflammatory activity from interfering with natural restorative systems.

The amazing Curcumin BioBDMC™ clears the inflammatory cloud, relieves pain and swelling and allows the body to begin the restoration process free of the inflammatory interference. Inflammation is an important natural process that starts in motion healing, but prolonged inflammation does the opposite and literally eventually further degrades tissues and prevents the use of building block materials.



The best bet for a product that fights arthritis would be the application of **Curcumin BioBDMC™** to begin the relief process. Most cases of disease begin to run through a remission process once this inflammatory cloud is cleared and spontaneous recovery ensues as the body assumes its recovery process naturally. **Curcumin BioBDMC™** is also one of the most potent antioxidant substances on the planet delivering yet another dimension of treatment. Oxidation and inflammation go hand-in-hand Inflammation advances oxidation and oxidation promotes inflammation.

**Curcumin BioBDMC™** stops this cycle at both ends of the activity – antioxidant and anti-inflammatory activities. Younger animals with healthy antioxidant and chondrocyte-cell status can benefit from **Curcumin BioBDMC™** exclusively and won't need much else. A healthy natural raw food supply will deliver the naturally occurring glucosamine and chondroitin needed. Again, older animals may require glucosamine and chondroitin supplementation especially if the diet is processed.

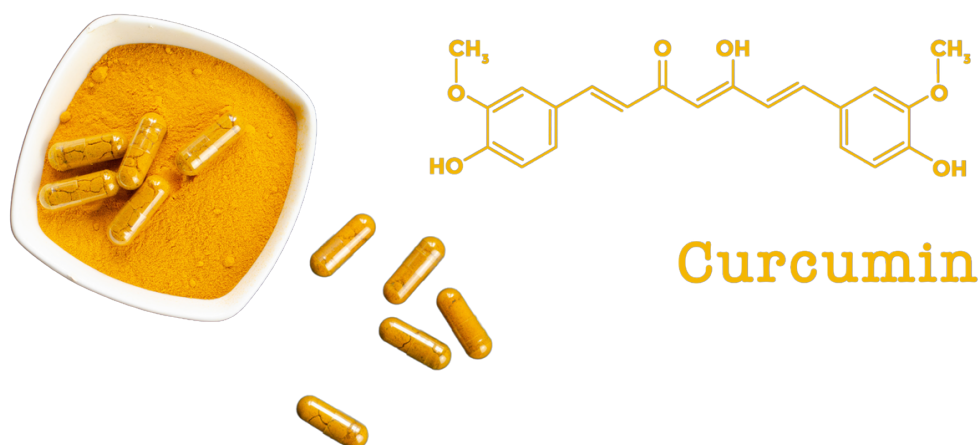


Osteo- and rheumatoid arthritis are generally at their worst in older animals and can be caused or accelerated by the presence of free radicals (which cause oxidation). Therefore the antioxidant activity of **Curcumin BioBDMC™** that is coupled by its anti-inflammatory activity are needed for nitric oxide and oxidation regulation. The additional antioxidant activity of **Curcumin BioBDMC™** becomes a critical healing factor and tissue preserver for our aging animals. Antioxidants also have a role in the prevention and reversal of damage caused by rheumatoid arthritis.



**Curcumin BioBDMC™** is an amazing life-changer. (For a more comprehensive supply of antioxidants, use a fatty acid supplement to protect the body and enhance the effect of the supplement that protects the joints.) Gastrointestinal health is crucial to recovery from the symptoms of arthritis, and research confirms that this is especially the case when it comes to rheumatoid arthritis. Some experts believe that rheumatoid arthritis is caused by breaches in the gastrointestinal lining. Foreign particles infiltrating the circulation of the body trigger an immune system malfunction. Quality supplements that promote bone and joint health help improve the impermeable barrier in the gut lining. **Curcumin BioBDMC™** plays a monumental role in gut health as well.

Research at Biologic Pharmamedical Research shows that **Curcumin BioBDMC™** works by way of similar mechanisms that influence I-kappa-B, and the related NF-kappa-B and does so without the terrible side-effects that corticosteroids bring. This research is now published in peer-reviewed scientific journals.



If your pet health-care practitioner is prescribing corticosteroids, you should ask that he or she look into **Curcumin BioBDMC™** as an alternative. It's available in a chew treat designed specifically for the gastrointestinal tract of the canine. Try it first, and if the powerful steroid must be applied after all, using **Curcumin BioBDMC™** along with the steroid will reduce the amount of the steroid needed and its side-effects. As treatment progresses, the steroid dose can be slowly reduced and eliminated while **Curcumin BioBDMC™** carry on with the job of managing the inflammation.

**Curcumin BioBDMC™** is amazing treatment for osteoarthritis as well serving as that potent anti-ageing supplement at the same time.

Chronic diarrhea is often quickly resolved with the addition of vitamin supplements with this enzymatic component to the dog's food. The potent digestive enzyme strategy in Vitamin supplements contributes largely to the improvement. Severe cases of diarrhea may require added support. **Curcumin BioBDMC™**, again, can work wonders to help treat gastrointestinal disorders. Keep in mind all diseases and their symptoms are propelled by **inflammation as an underlying chemistry**. Curcumin BioBDMC™ neutralizes inflammation by taking the edge off the inflammatory activity. This allows the body a window of opportunity to activate and deploy recovery and restorative processes.

**Curcumin BioBDMC™** can be combined with fatty acid supplements to help reduce and even eliminate inflammatory bowel syndrome and other intestinal problems. It sets the stage for health to manifest by way of natural recovery and the stage for powerful prevention of disease long term.

If your dog appears to be vulnerable to damage from a grain-loaded diet, change to raw or freeze-dried feed that includes a healthy meat portion and excludes grains. Add Curcumin BioBDMC™ to the program using the Pet Chew as the delivery form designed for the canine's digestive tract. Add a fatty acid and a vitamin supplement to support restoration and healthy metabolic activity.



On the other hand, fatness literally generates inflammation that becomes systemic and damaging throughout the body. **Curcumin BioBDMC™** taken daily helps reduce this inflammatory cloud and the disease risk that comes with it.

**Curcumin BioBDMC™** taken daily serves as a potent preventive supplement, cutting back the inflammation and empowering recovery and even helping to break the fatness cycle. Inflammation propagates fatness and fat cells release inflammatory hormones to set in motion a vicious cycle that is hard to stop. **Curcumin BioBDMC™** works very differently from regular curcumin extracts to help slow this cycle. The composition is very different and the pharmacology shown in the published research to be far more effective. In fact, regular curcumin does NOT at all inhibit the inflammatory proteins that **Curcumin BioBDMC™** inhibits.

There are nutritional supplements that are specially formulated and developed to target over-stuffed fat cells and the insulin-resistance that characterises pre-diabetes and diabetes. The formula reduces insulin resistance and supports insulin systems as they are re-activated and become more efficient. It also triggers fat-burning activity (thermogenesis) and blocks the absorption of those carbohydrate fillers commonly found in processed pet foods. The first step toward resolving this issue is, again, relieving systemic inflammation. **Curcumin BioBDMC™** can be a core strategy for general health and protection from premature aging.



An aging body in a pro-inflammatory state due to poor lifestyle including poor oxidised nutrition cannot recover from this insulin-resistant, thermogenically compromised state. **Curcumin BioBDMC™** will help start in motion a healthier metabolism.

Central to the treatment of allergies is again, inflammatory control, and **Curcumin BioBDMC™** will help start in motion a powerful countermeasure. Research shows that inflammation increases histamine sensitivity and symptom development.

Fatty acid supplementation helps combat this excessive activity and as a consequence it works synergistically to further support supplements targeted for the skins and coats of pets. However, **Curcumin BioBDMC™** will prove to be a fantastic corrective tool to reduce histamine response through a pathway that is different from the one used by core Supplement Foundation program.

Specialized polyunsaturated fats that are highly vulnerable to oxidation and rarely survive food processing are critical neurological building blocks that affect cognition factors and modify emotions. Adding **Curcumin BioBDMC™** will help start in motion and maintain inflammatory control; and prevent premature ageing; premature wear and tear; and simply promote a healthier metabolism; healthier tissues including a healthier brain.

# INFLAMMATION

## Joint Inflammation Related

### **Arthritis**

Arthritis refers to as many as 100 different diseases affecting the area in or around a body's joints. Arthritis is not only crippling an aging human population, but also assaulting our pets at an extraordinary rate. There are breed-specific genetic vulnerabilities to arthritis, but if the maintenance systems in the dog's body stay in good form, premature cartilage wear—osteoarthritis—can be avoided.

### **Osteoarthritis**

A result of wear and tear or injury.

### **Rheumatoid Arthritis**

An autoimmune condition. The autoimmune condition eventually causes a massive immune system attack beyond the joint tissues. Because this illness is systemic, meaning it affects the whole body, symptoms of the autoimmune disease begin to appear in the organs, skin, and other tissues in due time.

# INFLAMMATION

## Gastrointestinal Inflammation Related

### **Chronic diarrhea**

Chronic diarrhea lasts longer than does acute or persistent diarrhea, generally more than four weeks. Chronic diarrhea can indicate a serious disorder.

### **Colitis**

General inflammation of the gastrointestinal tract in the form of colitis .

### **Inflammatory Bowel Syndrome**

General inflammation of the gastrointestinal tract in the form of Inflammatory Bowel Syndrome.



# INFLAMMATION

## Obesity and Diabetes

### Obesity

Usually accompanied by increasing insulin resistance, which can lead to inflammation and diabetes as well. Obesity ultimately causes our pets to age faster since it promotes unhealthy levels of that subclinical inflammation and it contributes to the advancement of insulin resistance.

### Type 1 Diabetes

Associated with a deficiency or complete shutdown of insulin production by the pancreas.

### Type 2 Diabetes

Associated with the cells' inability to use insulin to transport sugar from the blood. In Type 2 diabetes, the pancreas is producing insulin, but the receptor sites on cells are no longer sensitive to it and the sugar stays in the blood.

# Biologic Research

**Are you looking for new opportunities to expand your product line and stay ahead of the competition?**

**Look no further than Biologic Pharmamedical!**

As a leading research and development company, Biologic specializes in manufacturing consumer therapeutics and performance-enhancing products utilizing patented technologies from Cavaleri Health Inc. Our research services include drug and nutraceutical discovery research on proteomic and genomic targets, research and development of novel therapeutics and medicines, and management of a related portfolio of patented ingredients to manufacture finished therapies by contract.

With over 40 years of experience in the nutraceutical industry, Biologic is a reliable and committed partner in the natural health industry wedded to allopathic pharmaceutical research protocols to validate and optimise these natural therapies. Our ongoing pharmaceutical research using nutraceutical fractions in our laboratories on existing and new technologies continues to evolve and add data to the marketing message for each technology you commit to. We simply continue to add new value and refresh science for your brand to leverage on an ongoing basis.

Moreover, much of our research is published in the public medical sciences literature for scientific referencing by brands and other researchers, ensuring that your products have the scientific backing they need to stand out in the marketplace. Additionally, these novel research discoveries set the stage for patent status to protect your new inflection point in the chosen category.

Partner with Biologic Pharmamedical today and gain access to cutting-edge technologies with a trend-setting narrative supported by real science and an ongoing research program that will take your brand to the next level!

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# Biologic Custom Manufacturing

**Along with our natural patented technologies, we provide comprehensive custom manufacturing services through every stage of development, from R&D to marketing and sales:**

- Supply unique technical patented ingredients
- Peer-reviewed published research for referencing
- Research and custom formulation for your specific product and brand needs.
- We procure other specialized ingredients and flavorings as needed
- Coordinate with our own manufacturing team
- Ensure stringent quality control throughout every phase.
- Assistance with NPN and Health Canada requirements; and FDA compliance
- Detailed review of labeling and packaging specifications.
- Cost breakdown/estimation/pricing
- Assist with branding communications.
- Live/video training sessions with our chief science formulator for your group
- Marketing planning, and ongoing fulfillment services.
- Remote video training with marketing material support to ensure your brand's success.

At **Biologic Pharmamedical**, our goal is to help you position yourself as a product leader in the supplement industry. Contact us today to learn more about our custom manufacturing services and how we can help your brand deliver proven and optimal results to your customers.

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# YOUR DOG'S HEALTH



A Dog's Health by Franco Cavaleri is a game-changing book that sets a new standard in the pet nutrition industry. This book offers readers the opportunity to deepen their knowledge about their pets' health, and make informed decisions to ensure their pets live long, healthy lives.

By following Cavaleri's approach, you can be confident that you're providing your pets with the nutrients they need to thrive.

**Download A Dog's Health today and join the movement towards a healthier, happier pet nutrition industry.**

