

Enzocaine®

Connective Tissue and Joint Health*

Enzocaine® combines a synergistic blend of herbs, nutrients, and proteolytic enzymes which provide nutritional support for connective tissue and joint tissue.* These nutrients have been shown to support the body's regulation within normal levels of some intermediary metabolites, such as cyclooxygenase (COX I & II) enzymes, arachidonic acid, lipoxygenase and leukotrienes.*



#54730

120 vegetarian capsules

Key Features

- Provides nutritional support for connective tissue and joint health*
- Supports regulation within normal levels of cyclooxygenase enzymes and other intermediary metabolites*
- Provides antioxidant activity to protect from free radical damage*



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MSM (methylsulfonylmethane), a major metabolite of DMSO (dimethyl sulfoxide), is a source of biological sulfur, which is a major component in many of the body's proteins, tissues, hormones and enzymes. Sulfur is an essential element of many glycosaminoglycans (GAGs) and is required for the healthy function and structure of joint cartilage.* MSM is a natural constituent of a variety of foods, and is well absorbed and distributed throughout the body. In addition to its support of GAG synthesis and potential support of healthy connective tissue, MSM may enhance the cellular mucosal membranes.*



Indian frankincense (*Boswellia serrata*) is a large, deciduous tree that grows in the dry, hilly countryside of India. The resinous exudate, an oleogum resin called Salai guggul, has been used for thousands of years in the Ayurvedic (Indian) tradition to support joint and connective tissue health.* Recent clinical trials with boswellia gum demonstrated it has potential to support gastrointestinal health as well.* The active components, boswellic acids, inhibit 5-lipoxygenase's biosynthesis of leukotrienes.



Turmeric from the root of the southern Asian shrub *Curcuma longa* is used extensively for color and flavor in curry cuisine. Ayurvedic herbology also includes turmeric in many formulas.* Turmeric's key constituent, curcumin, inhibits thromboxanes and leukotrienes, as well as cyclooxygenase-2 and nitric oxide synthase.* Curcumin also has antioxidant activity.*



Bromelain, a pineapple proteolytic enzyme, is thought to modulate the arachidonate cascade, helping to promote a healthy prostaglandin balance.* **Ginger (*Zingiber officinale*)** is used in both Ayurvedic and traditional Chinese herbology.* Ginger's oleoresin constituents exhibit potent inhibition of the synthesis of prostaglandins and leukotrienes.* The components shogaol and paradol inhibit cyclooxygenase-2 enzyme activity dose-dependently, while gingerol inhibits 5-lipoxygenase.*



White willow bark (*Salix alba*), a traditional analgesic and antipyretic, contains salicylates, including salicin, and salicylic acid.* Salicylates inhibit cyclooxygenase activity.* White willow bark is generally well tolerated by the human gastrointestinal system.*



Minerals play important roles in antioxidant enzymes. **Molybdenum** is essential for sulfite oxidase, required for the detoxification of sulfite to sulfate.* Optimum activity of this enzyme is required to detoxify xenobiotics.* **Selenium** is essential for glutathione peroxidase, an important free radical scavenging enzyme.* **Copper** and **zinc** are essential for superoxide dismutase, another important antioxidant enzyme.*

Supplement Facts

Amount Per Serving	% Daily Value*
Serving Size	2 Capsules
Servings Per Container	60
Amount Per Serving	% Daily Value*
Zinc (as Zinc Methionate)	10 mg 91%
Selenium (50% as Sodium Selenite and 50% as Selenomethionine)	40 mcg 73%
Copper (as Copper Bisglycinate)	1 mg 111%
Molybdenum (as Sodium Molybdate)	300 mcg 889%
MSM (Methylsulfonylmethane)	500 mg †
Turmeric (Root) Extract (95% Curcumin)	400 mg †
Bromelain (3600 MCU/g)	400 mg †
BOSWELLIN® (<i>Boswellia serrata</i> resin) (Standardized to 70% Boswellic Acids)	200 mg †
Ginger (Root) Extract (5% Gingerol)	40 mg †
White Willow (Bark) Extract (standardized to 15% Salicin)	50 mg †

† Daily Value not established.
* Percent Daily Value are based on a 2,000 calorie diet

Other ingredients: Hydroxypropyl methylcellulose, microcrystalline cellulose, L-leucine.

Suggested Use: As a dietary supplement, 2 capsules one or two times daily between meals, or as directed by a healthcare practitioner.

References:

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