

ArthroSoothe™ and ArthroSoothe™ Supreme (featuring a revolutionary tissue regeneration factor)



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ArthroSoothe™ and ArthroSoothe™ Supreme offer ideal nutritional support for joints, providing achy joints the nutrition they need to repair, stay lubricated, rid fluid that results in swelling, move freely, and function at their best.

Benefits:

- Gives the body the essential building blocks and nutrients for joint repair
- Reduces free radicals and inflammation which should lessen wear and tear on the joints and in-between spinal vertebrae
- Reduces the potential for the body to attack its own joint tissue

Joints, cartilage, ligaments, tendons and synovial fluid (for joint lubrication) undergo a continuous but slow turnover and remodeling process. This is affected by many physiological factors such as diet, supplements, activity, stress, gut health, allergies, immune status, infections, aging, hormones, toxic load and/or various medications. The continuous repair of joints and tissue depends on these nutrients: glucosamine, sulfur (MSM), hyaluronic acid, copper and vitamin C for collagen synthesis (found in tendons, cartilage, ligaments). Exercise should be emphasized because it improves blood and lymph circulation, which enables the nutrients to reach the target tissue more effectively.

Four of the most common destructive processes that can impair the health of the connective tissue are:

- **Inflammation:** This could be caused by excessive joint wear and tear, and/or low body stores of anti-inflammatory fatty acids (GLA, EPA) and/or excess of the inflammatory ones (arachidonic acid). Many natural compounds such as turmeric, boswellia, NAC, resveratrol, MSM, green-lipped mussel and cetyl myristoleate (CMO) have been shown to support this in the positive direction.
- **Oxidative stress** (free radicals generated from various causes including excessive inflammation, infections, poor diet, oxidized fats, toxic metals): Oxidative stress can be significantly reduced by dietary antioxidants such as resveratrol, turmeric, NAC, and by an adequate supply of essential minerals (selenium, copper, manganese, zinc) that support the body's own antioxidant enzymes, such as SOD (superoxide dismutase).
- **Autoimmune conditions** (could be caused by toxic metal/chemical load, intestinal infections, dietary allergies): Most common joint related autoimmune conditions are rheumatoid arthritis and lupus. Various nutrients such as niacinamide, NAC, and type II collagen, all found in ArthroSoothe™ and ArthroSoothe™ Supreme, have been shown to help.
- **Catabolic factors:** Excessive cortisol production (stress hormones) or steroid treatments such as cortisone can have a devastating effect on the ability to form collagen, which is a major component of cartilage, tendons and ligaments.

ArthroSoothe™ Supreme features TRF: for tissue regeneration and fighting inflammation

ArthroSoothe™ Supreme contains the exact ingredients as our standard **ArthroSoothe™** along with the revolutionary *tissue regeneration factor* or TRF (as Cyplexinol™ PRO), a bone-derived complex containing collagen and biologically active proteins known as *Body/Bone Morphogenetic Proteins* (BMPs). BMPs are the components that activate the cartilage-forming process, which is necessary for *joint integrity and regeneration*. They also have an *anti-inflammatory effect* as they help to suppress major inflammatory cytokines, leading to the restoration of joint and cartilage homeostasis, and thus help to relieve pain. TRF works synergistically with glucosamine sulfate and helps to make **ArthroSoothe™ Supreme** an ideal choice for more serious cartilage deterioration and injuries.

Please see our corresponding technical sheet on **TRF 150™** for detailed information and related research studies on Tissue Regeneration Factor.

Highlights:

New Zealand Green Lipped Mussel (*Perna canaliculus*) - This special extract is standardized for anti-inflammatory activity. (The anti-inflammatory assay used is the same as that for non-steroidal, anti-inflammatory drugs - NSAIDs). This purified mussel extract was shown to suppress carageenan induced edema by 60-70% in a rat paw model and shown to protect the stomach from NSAID damage.¹⁸

GlycoMarine® is the only mussel extract product manufactured using a unique and proprietary process characterized by a special extraction of the mussel from the shell and an immediate freeze-drying as the means of preserving and stabilizing the product. Backed by 30 years of independent laboratory research, GlycoMarine® is the only proven bioactive New Zealand green lipped mussel extract with gastroprotective and chondroprotective qualities.

Glucosamine Sulfate - Provides precursors for the continuous repair of joint and spine cartilage, ligaments, and tendons by stimulating the formation of joint-building proteoglycans.

CMO - Cetyl Myristoleate - These cetylated fatty acids contain an ester group necessary for their absorption in the gastrointestinal tract. In a research study, patients with osteoarthritis given CMO had marked improvement in knee function.⁴

Hyaluronic Acid - This viscous mucopolysaccharide is present in connective tissue space and the synovial fluid of movable joints and is important in maintaining the health of joints and cartilage. The hyaluronic acid used in this formula has a good absorption rate due to a special processing that renders it in a low molecular weight.

Undenatured Collagen Type II - Type II collagen is the predominant collagen found in cartilage. Collagen is made up of polypeptide chains of glycine, proline and hydroxyproline mainly. Type II collagen from chicken sternum contains all the important components of cartilage including collagens, proteoglycans and mucopolysaccharides such as hyaluronic acid and chondroitin. It is no wonder that chicken soup is a panacea. The type II collagen can only exert its immunological effects when its configuration is very well preserved and undenatured during processing. This, in turn, allows the configuration to be recognized by the immune system and lead to down-regulation of immune system attack on collagen structures. Extensive research has shown that type II collagen and mucopolysaccharides (such as hyaluronic acid and chondroitin) are lost progressively in rheumatoid and osteoarthritis patients.¹⁹⁻²¹

The minerals zinc, copper, and manganese are chelated to amino acids by the patented Albion method. This maximizes their absorption and eliminates the well-known GI side effects of the salt forms of minerals and their interference with absorption of other nutrients ingested at the same time.

Selenium - a deficiency in this mineral has been noted in patients with rheumatoid arthritis. Selenium, a powerful antioxidant, may help arthritis by fighting free radicals that damage tissues and lead to inflammation.

The herbal extracts, boswellia and turmeric are standardized for their active ingredients and have been shown to reduce inflammation by many mechanisms. These extracts are guaranteed to be free of toxic contaminants, unlike many others on the market, as described in an issue of the Lancet Medical Journal.¹³

ArthroSoothe™

Supplement Facts			
Serving Size 4 capsules			
Servings Per Container 30			
Amount Per Serving	% Daily Value	Amount Per Serving	% Daily Value
Niacin (Vitamin B-3)(as Niacinamide)	500 mg 2500%	Boswellia Extract (as Boswellin®)	75 mg *
Zinc	10 mg 70%	(<i>Boswellia serrata</i>)(resin)	
(TRAACS® Zinc Glycinate Chelate)		[standardized to contain 60% boswellic acids]	
Selenium (as Selenomethionine)	100 mcg 140%	Turmeric (<i>Curcuma longa</i>)(root)	75 mg *
Copper	1 mg 50%	[standardized to contain 95% curcuminoids]	
(TRAACS® Copper Glycinate Chelate)		Cetyl Myristoleate	50 mg *
Manganese	1 mg 50%	Hyaluronic Acid	20 mg *
(TRAACS® Manganese Glycinate Chelate)		Trans Resveratrol	10 mg *
Glucosamine Sulfate	1000 mg *	from 20 mg <i>Polygonum cuspidatum</i> (root)	
Methylsulfonylmethane (MSM)	750 mg *	Collagen II	2 mg *
N-Acetyl-Cysteine (NAC)	200 mg *		
Green Lipped Mussel (as GlycoMarine®)	100 mg *		

Other Ingredients: Microcrystalline cellulose, vegetable stearate, rice flour, silicon dioxide

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Amount Per Serving	% Daily Value	Amount Per Serving	% Daily Value
Niacin (Vitamin B-3)(as Niacinamide)	500 mg 2500%	GlycoMarine®	100 mg *
Zinc	10 mg 67%	(Green Lipped Mussel)	
(TRAACS® Zinc Glycinate Chelate)		Boswellia Extract (as Boswellin®)	75 mg *
Selenium (as Selenomethionine)	100 mcg 143%	(<i>Boswellia serrata</i>)(resin)	
Copper	1 mg 50%	[standardized to contain 60% boswellic acids]	
(TRAACS® Copper Glycinate Chelate)		Turmeric (<i>Curcuma longa</i>)(root)	75 mg *
Manganese	1 mg 50%	[standardized to contain 95% curcuminoids]	
(TRAACS® Manganese Glycinate Chelate)		Cetyl Myristoleate	50 mg *
Glucosamine Sulfate	1000 mg *	Hyaluronic Acid	20 mg *
Methylsulfonylmethane (MSM)	750 mg *	Trans Resveratrol	10 mg *
N-Acetyl-Cysteine	200 mg *	from 20 mg <i>Polygonum cuspidatum</i> (root)	
Cyplexinol™ PRO containing Collagen	100 mg *	Collagen II	2 mg *
and Bone Morphogenetic Proteins			

Other Ingredients: Microcrystalline cellulose, vegetable stearate, silicon dioxide

For a list of references cited in this document, please visit
<http://www.ncbi.nlm.nih.gov/sites/myncbi/collections/public/1VoehxBGLg1BipsY9n7vnfSQ9/>