

# JOINT FORMULA

Support Flexibility and Mobility  
In Your Joints!◊



## Now with Hyaluronic Acid!

Lifeplus Joint Formula is the most unique and complete glucosamine formula on the market and now it contains hyaluronic acid! Hyaluronic acid is a critical component of connective tissue whose function is to cushion and lubricate and it attaches to collagen and elastin to form cartilage.

Joint Formula also contains two types of glucosamine (glucosamine sulfate and N-Acetyl D-Glucosamine), chondroitin sulfate and crucial minerals to help build and maintain healthy, flexible cartilage which is so important to joint health.◊ Synergistic amino acids from hydrolyzed collagen, the predominant protein in cartilage and all connective tissues, are provided to support healthy collagen and cartilage synthesis.◊

## Supports Acid-alkaline Balance Different Forms of Glucosamine

Lifeplus Joint Formula is the most unique and complete formula of all products containing glucosamine on the market; a product that stands head and shoulders above the other routine glucosamine/chondroitin products. Glucosamine and chondroitin sulfate are both natural components of cartilage and other connective tissues in the body. Since millions of people want to retain and promote healthy joint function, flexibility, and wide range of movement, supplements containing one or both of these compounds have become quite popular. To fully enjoy an active lifestyle, freedom of movement and flexibility are necessary. Joint Formula contains two different forms of glucosamine (for optimum bioavailability) and crucial minerals, such as magnesium, manganese, copper, silicon, and zinc, which are necessary to build and support healthy collagen and cartilage synthesis.◊

A large number of studies have been done with dietary supplements including glucosamine and chondroitin sulfates. Both nutrients are known to be used as “building blocks” in the maintenance of healthy, normal joint cartilage.◊ They are thought to stimulate production of glycosaminoglycans, which have been shown to support healthy joints and cartilage.◊

## Not All Glucosamine Products are Alike

Although sales of glucosamine-containing products have reached \$400 million annually in the United States alone, because of reports that glucosamine assists in joint flexibility and mobility, not all such products are alike. Nearly half (6 out of 13) of the products containing either a combination of glucosamine/chondroitin or those containing chondroitin only failed testing by the largest independent laboratory for dietary supplement testing in the U.S. The tests revealed these products

contained much lower levels of chondroitin than was stated on the label; one-third of 25 major brands tested containing one or both ingredients were found not to contain the labeled amounts. It is important to obtain your supplements from a reputable manufacturer.

## Synergistic Support

Another natural compound with great promise in sustaining normal joint health is MSM (methyl-sulfonyl-methane, also called dimethyl sulfone), which is another Lifeplus product that is highly synergistic with Joint Formula. MSM is a metabolite of DMSO. DMSO is derived from plant lignans and has been the subject of more than 55,000 scientific studies worldwide. When DMSO enters the human body, about 15% of it is transformed into MSM by the addition of one oxygen molecule. MSM derived from DMSO has been found to remain in the body for up to two weeks. Unlike DMSO, MSM has no odor. Like DMSO, MSM may be

an antioxidant with a potent ability to neutralize hydroxyl free radicals within cells, and it does pass freely through cell membranes. Although very few controlled scientific studies have been done with MSM, word of mouth has made it a very popular dietary supplement. According to research, MSM supports range of motion in joints.<sup>◊</sup> Because relatively large amounts of MSM are needed to support joint health, it is not practical to combine in a glucosamine/chondroitin sulfate product. MSM Plus is therefore

an ideal companion product to Joint Formula.

### Contains Hydrolyzed Collagen

In addition to hyaluronic acid, each tablet includes hydrolyzed collagen, which contains precisely the amino acids needed by the body to synthesize collagen. Collagen is the predominant protein in cartilage and all types of connective tissues.

Combined with the main ingredients in Joint Formula, it contains the exclusive Lifeplus PhytoZyme<sup>®</sup> Base

composed of specific plant enzymes and concentrates from over 30 specially selected fruit, vegetable and herbal concentrates to provide extra phytonutrients. All this combines to make Lifeplus Joint Formula a joint support product like no other on the market. Especially when combined with a healthy diet of whole foods, clean water and an active lifestyle, Joint Formula helps support freedom of movement, regardless of age!<sup>◊</sup>

#### REFERENCES:

1. McAlindon TE, Jacques P, Azang Y. Do antioxidant micronutrients protect against the development and progression of knee osteoarthritis? *Arthrit Rheum* 39; 648-56 (1996).
2. Warmbrand M. How Thousands of My Arthritis Patients Regained Their Health. Arco Pub. NewYork,'74.
3. McAlindon TM, LaValley MP, Gulin JP, Felson DM. Glucosamine and Chondroitin Sulfate for Treatment of Osteoarthritis: A Systematic Quality Assessment and Meta-analysis. *JAMA*. 2000;283: 1483-4.
4. Lawrence RM. Methylsulfonylmethane (MSM): A double-blind study of its use in degenerative arthritis. *International Journal of Anti-Aging Medicine*, Summer 1998,1(1):50.

#### Supplement Facts

Serving Size / 4 Tablets

Servings Per Container / 30

Amount Per Serving	% Daily Value	
Magnesium	64 mg	15%
Zinc	4 mg	36%
Copper	0.2 mg	22%
Manganese	2 mg	87%
Potassium	132 mg	3%
Glucosamine Sulfate Potassium Chloride Salt	1200 mg	*
N-Acetyl D-Glucosamine	200 mg	*
Chondroitin Sulfate	200 mg	*
Hyaluronic Acid	20 mg	*
Hydrolyzed Collagen	100 mg	*
Silicon	12 mg	*

\*Daily Value not established

INGREDIENTS: Glucosamine Sulfate Potassium Chloride Salt (from Shrimp and Crab), Microcrystalline Cellulose, Magnesium Citrate, Chondroitin Sulfate, N-Acetyl D-Glucosamine (from Shrimp and Crab), Magnesium Stearate, Stearic Acid, Croscarmellose Sodium, Hydrolyzed Collagen (from Cod, Pollock and Haddock), PhytoZyme<sup>®</sup> proprietary blend (Bromelain, Papain, Alfalfa, Parsley, Carrots, Broccoli, Pea, Banana, Cantaloupe, Lima Beans, Mango, Pumpkin, Spinach, Tomato, Cauliflower, Orange, Papaya, Sweet Potato, Asparagus, Beet, Green Bean, Snow Pea, Blueberry, Chili Pepper, Cranberry, Cucumber, Guava, Grapefruit, Kale, Lemon, Maitake Mushroom, Peach, Pineapple, Watercress, and Zucchini), Hyaluronic Acid (from Rooster Comb, Manganese Gluconate, Silica, Zinc Sulfate, and Copper Gluconate.

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This product has been professionally formulated using carefully selected Glucosamine and Chondroitin to provide optimal benefits for you.

Nutritionally supports healthy joints by helping to promote and maintain flexibility and ease of movement.<sup>◊</sup>

Formulated in the exclusive PhytoZyme<sup>®</sup> base of plant enzymes for bioavailability and over 30 synergistic fruit, vegetable and herbal concentrates for "extra" phytonutrient cofactors.

As with all supplements, please consult your physician prior to taking if you are pregnant or attempting to become pregnant, breast-feeding, under a doctor's care or taking prescription medication.

Allergy Information: This product contains fish-derived hydrolyzed collagen, shellfish-derived glucosamine sulfate and n-acetyl d-glucosamine, and is processed in the same facility that processes products containing fish/shellfish, soy and dairy.

This product was not tested on animals.

**DIRECTIONS:** Take four tablets once daily.

◊These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

Lifeplus International • P.O. Box 3749, Batesville, Arkansas 72503 • 800-572-8446 • www.lifeplus.com

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