

ChondroSamine Plus

Nutritional Support For Joint Integrity

Connective tissues, like those found in joints, require adequate supplies of important nutrient building blocks in order to maintain their integrity. This is especially true following injury or for those with chronic inflammation or degeneration. Cartilage is composed primarily of collagen, water and proteoglycans and relies upon diffusion of nutrients through the cartilage matrix from distant blood vessels in bone and synovial membranes. When inflammation is present it is characterized by local edema and swelling. If present near joints, this increase in pressure slows diffusion of nutrients from blood to chondrocytes. Inflammatory processes increase free radicals and may compromise cell function.

Chondroitin sulfates (CS) are glycosaminoglycans (GAG's), which are large heterogeneous biological polymers used by the body to maintain proper elastic integrity within the tissues.

Purified Chondroitin Sulfates from Biotics Research Corp., are isolated from bovine trachea or other cartilage sources by a long process of digestion, washing, precipitation, and drying to remove collagen and other fibrous proteins from the CS. Absorption from oral administration of Purified CS is typically 90% or greater. Glucosamine HCl serves as a building block for cartilage, as well as glycoproteins of cell membranes and mucous of the gastrointestinal and respiratory tracts.

Other nutrients which are included in ChondroSamine Plus includes Vitamin C – an essential cofactor for collagen formation, Saccharum officinarum extract (shoots) – a rich source of silicon, which is required for structural integrity of connective tissue, Manganese – an essential nutrient lost during food processing, it is an essential co-factor for the synthesis of chondroitin sulfate, Pantothenic Acid – essential for growth and health (deficiencies in pantothenic acid are believed to block cartilage formation), Niacinimide – for energy metabolism in general, and supports energy-requiring processes associated with the formation and secretion of structural building blocks by chondrocytes, and MSM (methylsulfonylmethane) – a source of sulfur, a non-metal element essential for life.

Folic Acid, Vitamin B12, Superoxide dismutase (SOD) and Catalase are also included in this well balanced formula. Absorption of ChondroSamine Plus® may be further enhanced when taken on an empty stomach.



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These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.