



**Standard
Process**®

Musculoskeletal Health

Many factors contribute to the deterioration of our musculoskeletal system. This system, consisting of many connective tissues, such as joints, ligaments, and tendons, is continuously being challenged by various factors such as stress, improper diet, and exercise.

A healthy musculoskeletal system is important for everyone—the young, the elderly, sports enthusiasts, people constantly on their feet, and people using repetitious movements such as computer keyboarding.

Failure to maintain a healthy musculoskeletal system and joints can lead to a reduction in overall health and well-being. Therefore, supplying your body with the proper nutrients found in Standard Process supplements is vital in keeping your body's connective tissues healthy.

Ligaplex® II is comprised of manganese, carbamide, and veal bone PMG™ extract to support the proper functioning of connective tissue, especially important as joints, intervertebral discs, and ligaments begin to show signs of aging. The bovine heart PMG™ extract containing naturally-occurring Coenzyme Q10 along with defatted wheat germ, a source of the complete vitamin E complex, are important nutrients for the support of healthy connective tissue. Carbamide aids in the osmotic transfer of body fluids.*

Ligaplex® I contains manganese, phosphorus, pea vine juice, veal bone, and vitamin complexes A, C, E, and B₁₂. The body requires these nutrients to manufacture mucopolysaccharides, collagen fibers, and elastin, which serve as the foundation of both ligaments and tendons. Mucopolysaccharide is an important element in the structural matrix of bone and cartilage.*

BioSt® supplies veal bone PMG™ extract and manganese. Bone serves a myriad of functions beyond providing shape and support for the body. Veal bone PMG™ extract supports healthy connective tissue. Manganese is necessary for bone growth, development, and replacement. It is also involved with the health and maintenance of ligaments and tendons. Manganese is an important cofactor of the major enzymes concerned with the formation of mucopolysaccharides and the process of protein metabolism.*

Collagen C™ contains the complete vitamin C complex plus additional ascorbic acid. Collagen is a protein found in tendons, ligaments, and connective tissue. Cartilage, composed of collagen fibers, is found on the joint surfaces of bones to cushion bone-to-bone junctions. Ligaments are strong fibrous cords comprised mainly of collagen fibers that extend from one bone to another. Vitamin C and ascorbic acid are essential nutrients for the ongoing formation, repair, and replacement of bone and cartilage.*

Chezyn® is a chelated zinc product that also contains iron and copper. Zinc enjoys a positive reputation as an essential mineral for healthy connective tissue. Zinc is required for protein synthesis and appropriate cell growth. Research suggests that proper zinc supplementation has often been found to maintain joint health during and after exercise.*

Manganese B₁₂™ contains manganese, an important cofactor in the enzymes necessary for mucopolysaccharide synthesis. Mucopolysaccharide is an important component in both the skeletal and cartilaginous structural matrix. Because of its role in mucopolysaccharide synthesis, manganese is important to skeletal and connective tissue development. The vitamin B₁₂ complex also works to support healthy epithelial tissue.*