Ostarplex®

Contributes to Skeletal System Health

More than 100 years ago, French physiologist Claude Bernard called the fluid in which all cells live, grow, and perform their various functions the “internal environment” or the “milieu interieur.” The chloride ions found in betaine hydrochloride and ammonium chloride are important and substantial components of this internal environment as they work to provide just the right amount of nutrients and electrolytes to all living cells. Chloride ions also play a predominant role in sustaining water balance among cells. Veal bone PMG™ extract serves a myriad of functions beyond providing shape and support for the body. Together, these ingredients contribute to the overall functioning and well-being of the skeletal system through a number of physiological processes.†

How Ostarplex Keeps You Healthy

Maintains cellular health
Protomorphogen™ extract is the brand name of Standard Process’ extracts derived from nucleoprotein-mineral molecules. The foundation for the function of these uniquely formulated nucleoprotein-mineral extracts comes from the antigen-antibody reaction that takes place during normal cell maintenance. The antigenic properties promote healthy cellular division, function, and growth. When a tissue needs support, at least a dozen different compounds are formed that can cause white blood cells to travel together toward the compromised area. These compounds include degenerative products of the tissues themselves. They strongly activate the macrophage system, and within a few hours, the macrophages begin to devour the destroyed tissue byproducts. At times, the macrophages can also affect the structure of the remaining healthy cells. The veal bone PMG™ extract in Ostarplex appears to neutralize the circulating antibodies, thereby contributing to the maintenance of cellular health.†

More than half the human body is made up of fluid. Almost one third of that fluid lies outside each cell and contains substantial amounts of chloride ions. This fluid is continually moving throughout the body to reach and feed all living cells with essential nutrients required to keep cells alive and performing properly. The chloride ions also help maintain a proper acid-base or pH balance at the cellular level.†

Promotes healthy joints
The Arabs, who first discovered alfalfa, deemed it the “father of all foods” for its many nutritional benefits. Alfalfa contains vitamin complexes A, B₁, B₂, B₃, B₅, B₆, C, and K. Mineral complexes calcium, copper, iron, manganese, magnesium, phosphorus, potassium, zinc, chlorine, sulfur, sodium, silicon, and some trace minerals are also found in alfalfa. Alfalfa proteins also supply enzymes and such essential amino acids as arginine, lysine, threonine, and tryptophan. Both pantothenic acid and folic acid are also found in alfalfa. Numerous studies point to the importance of these vital nutrients in maintaining strong skeletal tissue.†

Please copy for your patients.

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

How Ostarplex Keeps You Healthy (continued)

Supports joint health
Joint discomfort is sometimes accompanied by reduced serotonin levels. Vitamins and amino acids capable of stimulating serotonin production, such as vitamin B₆, can improve joint comfort.¹

What Makes Ostarplex Unique

Product Attributes
Contains Protomorphogen™ extracts
› Standard Process uses a unique manufacturing method of deriving tissue cell determinants from animal glands and organs
› Help provide cellular support and rehabilitation to the corresponding human tissues
› Important antigenic properties of nucleoprotein-mineral determinants are the foundation of the product¹

Certified Organic Farming
A healthy ecosystem is created by using organic farming techniques, such as rotating crops, fertilizing the soil with nutrient-rich cover crops and byproducts from our processing, practicing strict weed-control standards, and continually monitoring the health of our plants
› Assures the soil is laden with minerals and nutrients
› Ensures plants are nutritionally complete and free from synthetic pesticides

 Manufacturing and Quality-Control Processes
Upon harvesting, nutrient-rich plants are immediately washed and promptly processed
› Preserves nutritional integrity

Low-temperature, high-vacuum drying technique
› Preserves the enzymatic vitality and nutritional potential of ingredients

Not disassociated into isolated components
› The nutrients in Ostarplex are processed to remain intact, complete nutritional compounds

Degreed microbiologists and chemists in our on-site laboratories continually conduct bacterial and analytical tests on raw materials, product batches, and finished products
› Ensures consistent quality and safety

Vitamin and mineral analyses validate product content and specifications
› Assures high-quality essential nutrients are delivered

Studied on nutrients generally use large doses and these studies, some of which are cited below, are the basis for much of the information we provide you in this publication about whole food ingredients. See the supplement facts box for Ostarplex.²

References
² A healthy ecosystem is created by using organic farming techniques, such as rotating crops, fertilizing the soil with nutrient-rich cover crops and byproducts from our processing, practicing strict weed-control standards, and continually monitoring the health of our plants
› Assures the soil is laden with minerals and nutrients
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Whole Food Philosophy
Our founder, Dr. Royal Lee, challenged common scientific beliefs by choosing a holistic approach of providing nutrients through whole foods. His goal was to provide nutrients as they are found in nature—in a whole food state where he believed their natural potency and efficacy would be realized. Dr. Lee believed that when nutrients remain intact and are not split from their natural associated synergists—known and unknown—bioactivity is markedly enhanced over isolated nutrients. Following this philosophy, even a small amount of a whole food concentrate will offer enhanced nutritional support, compared to an isolated or fractionated vitamin. Therefore, one should examine the source of nutrients rather than looking at the quantities of individual nutrients on product labels.