Congaplex (Chewable) is Made From Bovine Thymus Cytosol™ Extract, Calcium Lactate, Magnesium Citrate, and Ribonucleic Acid

Congaplex (Chewable) offers the benefits of Congaplex° in a convenient, raspberry-flavored tablet. It contains the Cytosol™ extract of the thymus gland, the core of the immune system. Such extracts contain the gland's steroid and hormone precursors, enzymes, coenzymes, and synergistic cofactors produced by the cell. The main purpose of these aqueous tissue extracts is to support the patients' hormone-dependent tissue functions until the tissue is able to do so itself.

Calcium and magnesium are minerals of critical importance to human nutrition. Bone mineralization is one of their primary nutritional functions. Calcium comprises about 98 percent of the mineral component of bone and tooth structure. Calcium is also essential for various other body functions, including blood coagulation, muscle contraction, nerve conduction, maintenance and function of cell membranes and membrane permeability, and the proper functioning of many enzymes. The magnesium in this product aids in the uptake of calcium lactate by the body. However, on its own, magnesium is a critical dietary substance. It is an essential element for over 300 enzymes in the body, and, among its many roles, it is a cofactor for ATP metabolism in the body.†

How Congaplex (Chewable) Keeps You Healthy

Calcium lactate is a highly-bioavailable form of the important mineral

Calcium lactate is a very useful form of calcium. It changes to calcium bicarbonate (the type used by the body) in one chemical step, whereas calcium carbonate, for example, goes through approximately twelve chemical reactions to become calcium bicarbonate. Calcium lactate is a very soluble calcium salt and highly bioavailable, thus making it an excellent calcium source for calcium.†

Animal tissue proteins contain a multitude of nutrients naturally present in tissue, including vitamins, minerals, amino acids, fatty acids, enzymes, and synergistic cofactors that help maintain health

Adrenal glands, kidney, and bovine bone are utilized because they not only provide nutrients but they also provide nutritional stimulative support to the corresponding organs in humans. Bone marrow pre-processes lymphocytes, while veal bone PMG™ extract supports the function of the bone marrow.†

Calcium and magnesium play a role in phagocytosis in which various types of white blood cells engulf and devour microscopic invaders

Studies show that calcium is necessary for the proper functioning of various white blood cells. Natural killer cells, lymphocytes, leukocytes, monocytes, and neutrophils are all at least partially dependent on extra-cellular calcium and magnesium.†



Introduced in:

1997

Content:

90 Tablets

Supplement Facts:

Serving Size: 3 tablets Servings per Container: 30

		%DV
Calories	5	
Cholesterol	5 mg	2%
Vitamin A	450 IU	10%
Vitamin C	3 mg	5%
Magnesium	4 mg	2%

Congaplex® (Chewable) 2930



Congaplex® (Chewable)

What Makes Congaplex (Chewable) Unique

Unique Product Attributes

Chewable whole food supplement

· Chewing plays an important role in digestion and absorption of nutrients

Multiple nutrients from a variety of plant and animal sources

- · Alfalfa contains a variety of vitamin and mineral complexes vital to the function of the immune system
- · Adrenal glands, kidney, and bovine bone provide nutrients which give nutritional support to the corresponding organs in humans
- The bone marrow pre-processes lymphocytes
- The veal bone PMG[™] extract supports the function of the bone marrow
- · Vitamins, minerals, and nutrients from plants and animal tissues work synergistically for maximum effect+

The calcium lactate in Congaplex (Chewable) is a pure-vegetable source of calcium

Not derived from a dairy source

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 by-products 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

Unique Processing

Upon harvesting, nutrient-rich plants are immediately washed and promptly processed

· Preserves nutritional integrity

Exclusive low-temperature, high-vacuum drying technique

· Preserves the enzymatic vitality and nutritional potential of ingredients

Not disassociated into isolated components

• The nutrients in Congaplex (Chewable) are processed to remain intact, complete nutritional compounds

Degreed microbiologists and chemists in our on-site laboratories constantly 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

Studies 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 for Congaplex® (Chewable). Aoyagi, et al. 1992. Role of Magnesim in Acitation of NADPH Oxidase of Human Neutrophils: Evidence That Magnesium Acts Through G-Protein

Buchem Biophys Res Comm 185(1): 391-397.

Argor S, et al. 1979. Attorn Requirement of Natural, In-vitro Generated and Antibody Dependent Killing Exerted by Human Lymphocytes.

Immunobiology 156(1-2): 25-34.

BarDayan Y, Shoenfeld Y. 1997. Magnesium Fortification of Water – A Possible Step Forward in Preventive Medicine. Annales de Medecine Interne

148(6): 440-444

Bovee-Oudenhoven I.F., et al. 1997. Dietary Calcim Inhibits the Intestinal Colonization and Translocation of Salmonella in Rats. Gastroenterology 113(2): 550-557. Burkey et al. 1991. Intracellular Calcium Changes Associated with In-Vitro Lymphokine-Activated Killer and Natural Killer Cell Cytotoxicity. Arch

Otolary mgology - Head and Neck Surgery 1717(6): 1281-1287.

Frakes M.A., Richardson L.E., 1997. Magnesium Sulfate Therapy in Certain Emergency Conditions. Am J Emergency Med 15(2): 182-187.

Green, et al. 1983. The O2-generated Oxidoreducatase of Human Neutrophils: Evidence of an Obilgatory Requirement for Calcim and Magnesium for

Expression of Catlytic Activity. Biochem Biophys Res Comm 110(3): 973-987.

Whole Food Philosophy Dr. 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 synthetic nutrients. Following this philosophy, even a small amount of a whole food concentrate will offer enhanced nutritional support, compared to a synthetic or fractionated vitamin. Therefore, one should examine the source of nutrients rather than looking at the quantities of individual nutrients on product labels.

Three tablets supply 135 mg calcium lactate, 30 mg bovine thymus Cytosol™ extract, and 15 mg ribonucleic acid.

Proprietary Blend: Raspberry powder, bovine thymus Cytosol™ extract, carrot (root), ribonucleic acid, bovine bone, defatted wheat (germ), bovine adrenal, dried alfalfa juice, nutritional yeast, oat flour, alfalfa flour, bovine kidney, veal bone, veal bone PMG™ extract. mushroom, dried buckwheat (leaf) juice, buckwheat (seed), peanut (bran), soybean lecithin, carrot oil, and mixed tocopherols (soy).

Other Ingredients: Dehydrated cane juice, cellulose, maltodextrine, calcium lactate, magnesium citrate, natural flavor, calcium stearate, ascorbic acid, and vitamin A palmitate.

Suggested Use: Three tablets per meal, or as

Sold to health care professionals.

Grewal A. S., Babiuk L. A. 1980. Complement-dependent, Polymorphonuclear Neutrophil-Medicated Cytotoxicity of Herpesvirus-Infected Cells: Possible Mechanism(s) of Cytotoxicity. Immunology 40(2): 151-161.

Gayton A. C., Hall J. E. 1996. Textbook of Medical Physiology. 9th ed. 446, 886.

Harlan J., et al. 1977. Magnesium-dependent Adenosine Triphosphatase as a Marker Enzyme for the Plasma Membrane of Human Polymorphonuclear Leukocytes. Infect Immun 13(2): 436-443.

Murray M. Pizzorno J. 1998. Enzyclopedia of Natural Medicine. Rocklin, CA: Prima Publishing.

Rijkers G.T., et al. 1993. Changes in Free Cytoplasmic Magnesium Following Activation of Human Lymphocytes. Biochem J 289 (Pt 2): 373-377.

Suzuki H., et al. 1985. Enhancement by Calcium or Magnesium of Catalytic Activity of the Superoxide-Producing NADPH Oxidase in Membranc Fractions of Human Neutrophils and Monocytes. J Biol Chem 260 (6): 3635-3639.

Toka EN, et. al. 1996. The Cytosolic Free Ca2+ in Ectromelia (Mousepox) Virus Stimulated Cytotoxic T-Lymphocytes. Viral Immunol 9(3): 159-167.

Torres M., Hunter K.A. 1990. Magnesium is Necessary for Adherence of Human Polymorphonuclear eutrophils to Laminin. Pediatr Res 27(4 Part 2): 151A.

Tsugawa, et al. 1993. Bioavailability of Calcium From Oyster Shell Electrolysate and Dl-calcium Lactate in Vitamin D-replete or Vitamin D-deficient Rats. J Bone Mineral Metals (1) Suppl 5: 523-532.

Tsugawa, et al. 1995. Bioavailability of Calcium From Calcium Carbonate, Dl-calcium Lactate, L-calcium Lactate, and Powdered Oyster Shell Calcium in Vitamin D-Deficient or Replete Rats. Biol Pharm Bull 18(5): 677-682.

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