

# Congaplex®

2900 & 2925

Please Copy for Your Patients

## Congaplex is Made From the Principal Ingredients of Bovine Thymus Cytosol™ Extract, Calcium Lactate, Magnesium Citrate, and Ribonucleic Acid

Congaplex contains Cytosol™ extracts from 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 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 source of 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 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:

1959

### Content:

40 Capsules - 2900

150 Capsules - 2925

### Supplement Facts:

Serving Size: 3 capsules  
Servings per Container: 13 or 50

		%DV
Calories	5	
Total Carbohydrate	1 g	<1%*
Vitamin A	900 IU	20%
Vitamin C	6 mg	10%
Calcium	80 mg	8%
Magnesium	15 mg	4%

\*Percent Daily Values (DV) are based on a 2,000 calorie diet.

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

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## What Makes Congaplex Unique

### Unique Product Attributes

#### 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 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 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

### 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 capsules supply 530 mg calcium lactate, 120 mg bovine thymus Cytosol™ extract, and 60 mg ribonucleic acid.*

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

**Other Ingredients:** *Calcium lactate, gelatin, magnesium citrate, water, ascorbic acid, colors, calcium stearate, and vitamin A palmitate.*

**Suggested Use:** *Three capsules per meal, or as directed.*

**Sold to health care professionals.**

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®.

Aoyagi, et al. 1992. Role of Magnesium in Acitation of NADPH Oxidase of Human Neutrophils: Evidence That Magnesium Acts Through G-Protein. *Biochem Biophys Res Comm* 186(1): 391-397.  
Argov S., et al. 1979. Cation 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 L.F., et al. 1997. Dietary Calcium 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 Otolaryngology--Head and Neck Surgery* 117(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 O<sub>2</sub>-generated Oxidoreductase of Human Neutrophils: Evidence of an Obligatory Requirement for Calcium and Magnesium for Expression of Caltic Activity. *Biochem Biophys Res Comm* 110(3): 973-987.

Grewal A.S., Babink L.A. 1980. Complement-dependent, Polymorphonuclear Neutrophil-Mediated Cytotoxicity of Herpesvirus-Infected Cells: Possible Mechanism(s) of Cytotoxicity. *Immunology* 40(2): 151-161.  
Guyton 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. *Encyclopedia 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 Membrane Fractions of Human Neutrophils and Monocytes. *J Biol Chem* 260(6): 3635-3639.  
Toka FN., et al. 1996. The Cytosolic Free Ca<sup>2+</sup> 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.  
Tsubagawa, et al. 1993. Bioavailability of Calcium From Oyster Shell Electrolytate and D-l-calcium Lactate in Vitamin D-replete or Vitamin D-deficient Rats. *J Bone Mineral Metab* 11(2) Suppl 3: S23-S32.  
Tsubagawa, et al. 1995. Bioavailability of Calcium From Calcium Carbonate, D-l-calcium Lactate, L-calcium Lactate, and Powdered Oyster Shell Calcium in Vitamin D-deficient or Replete Rats. *Biol Pharm Bull* 18(5): 677-682.