

Inositol Powder

5010

Please Copy for Your Patients

Inositol Powder Helps Support the Nervous System and Cardiovascular Health

Inositol, found in the membranes surrounding each cell, plays a key role in the body's complex internal communication system. It is required to transfer the body's chemical orders from the blood stream to the inside of the cell where they can be filled. Neurotransmitters and hormones travel through the blood and attach to the outside of cell membranes, stimulating the release of an inositol compound. Inositol migrates inside the cell to trigger a multitude of specific functions, which include secretion of digestive juices and histamine, muscle contraction, glucose production, and clotting assistance.†

Nowhere in the body is fast, reliable, neuro-communication more important than in the brain and central nervous system. These tissues contain relatively high amounts of inositol, which may help maintain mental well-being.†

Remember: Powdered products offer many benefits. They provide vital nutritional compounds in a convenient form of delivery. They are a valuable alternative for infants, children, and older adults who have difficulty swallowing tablets or capsules. Powders can be mixed with milk or fruit juice to create a drink or sprinkled on fruits or vegetables. Inositol Powder requires no tableting aids or excipients to bind its ingredients together, as does its tablet counterpart. Powders provide ideal, hassle-free solutions for those who need to take multiple supplements.

How Inositol Powder Keeps You Healthy

Maintains mental health

The role of inositol in mental functioning continues to be analyzed in today's medical research. Inositol may be involved in regulating the key neurotransmitter, serotonin. Inositol supplements can actually lower the pool of inositol in one part of the brain, most likely through a feedback mechanism. Small-scale studies suggest inositol helps maintain a more consistent and even emotional mood. Other studies have found inositol supplementation helps people moderate emotional response to sudden life changes.†

Promotes normal fetal neural tube development

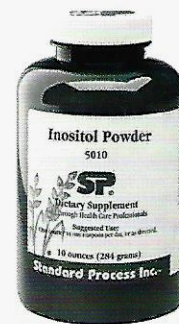
Preliminary animal evidence indicates that inositol promotes normal fetal development.†

Supports normal infant nerve and lung system development

Adequate amounts of inositol are essential for proper infant development—for both the central nervous system and the lungs. Inositol supplementation helps protect and support healthy lung development.†

Helps keep your colon healthy

Animal research suggests that inositol compounds may play a role in promoting colon health.†



Introduced in:

2000

Content:

10 ounces (284 grams)

Supplement Facts:

Serving Size: 1/4 teaspoon
Servings per Container: 405

		%DV
Calories	4	
Total Carbohydrate	690 mg	<1%*
Inositol	700 mg	

*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 Inositol Powder Unique

Unique Product Attributes

This is a vegetarian product

Provides 700 mg of inositol

- Inositol, derived from rice, is part of the B-complex and acts as an important catalyst in energy reactions that involve the metabolizing of some fats and sugars
- Inositol plays a prominent role in supporting smooth muscle contraction†

Unique Processing

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.

¼ level teaspoon supplies 700 mg inositol.

¼ level teaspoon equals 1½ Inositol tablets.

Suggested Use: One quarter to one teaspoon per day, 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 Inositol Powder.

Alabaster O., Tang Z., Shivapurkar N. 1996. Dietary fiber and the chemopreventive modulation of colon carcinogenesis. *Mutat Res* 350(1): 185-197.
Benjamin J., Levine J. 1995. Double-blind, placebo-controlled, crossover trial of inositol treatment for panic disorder. *Am J Psychiatry* 152(7): 1084-1086.
Cockcroft D.L. 1991. Vitamin deficiencies and neural-tube defects: human and animal studies. *Hum Reprod* 6(1): 148-157.
Fux M., Levine J. 1996. Inositol treatment of obsessive-compulsive disorder. *Am J Psychiatry* 153(9): 1219-1221.
Graf E., Eaton J.W. 1993. Suppression of colonic cancer by dietary phytic acid. *Nutr Cancer* 19(1): 11-19.
Greene N.D., Copp A.J. 1997. Inositol prevents folate-resistant neural tube defects in the mouse. *Nat Med* 3(1): 60-66.
Hallman M., Bry K. 1992. Inositol supplementation in premature infants with respiratory distress syndrome. *N Engl J Med* 326(19): 1233-1239.
Hallman M., Pohjavuori M., Bry K. 1990. Inositol supplementation in respiratory distress syndrome. *Lung* 168(Suppl): 877-882.
Jenab M., Thompson L.U. 1998. The influence of phytic acid in wheat bran on early biomarkers of colon carcinogenesis. *Carcinogenesis* 19(6): 1087-1092.
Levine J. 1997. Controlled trials of inositol in psychiatry. *Eur Neuropsychopharmacol* 7(2): 147-155.

Levine J., Barak Y. 1995. Double-blind, controlled trial of inositol treatment of depression. *Am J Psychiatry* 152(5): 792-794.
Novak J.E., Turner R.S., Agranoff B.W., et al. 1999. Differentiated human NT2-N neurons possess a high intracellular content of myo-inositol. *J Neurochem* 72(4): 1431-1440.
Reece E.A., Khandelwal M. 1997. Dietary intake of myo-inositol and neural tube defects in offspring of diabetic rats. *Am J Obstet Gynecol* 176(3): 536-539.
Vucenik I., Yang G.Y. 1997. Comparison of pure inositol hexaphosphate and high-bran diet in the prevention of DMBA-induced rat mammary carcinogenesis. *Nutr Cancer* 28(1): 7-13.
Vucenik I., Yang G.Y., Shamsuddin, A.M. 1995. Inositol hexaphosphate and inositol inhibit DMBA-induced rat mammary cancer. *Carcinogenesis* 16(5): 1055-1058.
Wolfson M., Hertz E. 1998. Chronic treatment with lithium and pretreatment with excess inositol reduce inositol pool size in astrocytes by different mechanisms. *Brain Res* 787(1): 34-40.