

Zinc Lozenges

15 mg with Vitamin C and
Slippery Elm



DESCRIPTION

Zinc Lozenges supply bioavailable zinc, sweetened with sorbitol and flavored with natural lemon extracts. Each lozenge contains 15 mg of elemental zinc in the form of zinc citrate and gluconate.

FUNCTIONS

Zinc is an essential trace element involved in most major metabolic pathways. General signs of human zinc deficiency indicate that zinc has important functions in maintaining immune function, reproduction, healthy skin, and growth. Numerous studies support the fundamental role of zinc in normal immune response in humans. Immune cells must be able to rapidly divide in order to respond to daily challenges. Like all rapidly dividing cells, immune cells depend on adequate amounts of dietary zinc. As a cofactor of the antioxidant enzyme superoxide dismutase (SOD), zinc can be considered an antioxidant nutrient. Zinc supplementation has been shown to increase the antioxidant activity of SOD, and provide increased free radical protection. Zinc deficiency is associated with increased oxidative damage. Absorption of toxic heavy metals, especially cadmium and lead, is lower in individuals with high zinc status compared to those with low zinc status. The body pool of readily available zinc appears to be small, which renders the body susceptible to deficiency and therefore dependent on a steady dietary supply of bioavailable zinc. While typical zinc intakes in U.S. adults are between 10 and 15 mg per day, which approach RDA, intakes in the elderly are often low. Pregnant women are also at risk for zinc deficiency, since they have a higher requirement for this trace element. Frequently, vegetarians and chronically depressed individuals have been found to have low zinc status.

INDICATIONS

Zinc Lozenges may be a useful nutritional adjunct for individuals who wish to increase their intake of zinc.

FORMULA (NDA #10165)

1 Lozenge Contains:

Vitamin C (as calcium ascorbate, ascorbic acid) .. 60 mg
Zinc (as citrate, gluconate)..... 15 mg

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

Slippery elm bark powder 25 mg
Bee Propolis 5 mg

Contains no salt, dairy, yeast, wheat, gluten, corn, soy, preservatives, artificial colors or flavors.

SUGGESTED USE

Adults dissolve one lozenge in the mouth every 2 hours while awake, or as directed by a healthcare professional. Allow to dissolve completely in the mouth. Do not exceed 10 lozenges per day. Prolonged use of more than 7 days in a row is not recommended. When used on a regular basis, 1 or 2 lozenges per day may be taken for extended periods.

SIDE EFFECTS

No adverse effects have been reported with normal dosage.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

- Abdallah SM, Samman S. The effect of increasing dietary zinc on the activity of superoxide dismutase and zinc concentration in erythrocytes of healthy female subjects. *Eur J Clin Nutr* 1993;47:327-332
- Brignola C, Belloli C, De Simone G, et al. Zinc supplementation restores plasma concentrations of zinc and thymulin in patients with Crohn's disease. *Aliment Pharmacol Ther* 1993;7:275-280.
- Food and Nutrition Board, National Research Council. Recommended Dietary Allowances. 10th ed. Washington, D.C. National Academy Press, 1989
- Donovan UM, Gibson RS. Iron and zinc status of young women aged 14 to 19 years consuming vegetarian and omnivorous diets. *J Am Coll Nutr* 1995;14:463-472.
- Goyer RA. Nutrition and metal toxicity. *Am J Clin Nutr* 1995;61: Suppl.646S-650S
- Gupta RK, Bhattacharya SK, Sundar S, Kumar K, Kachhawaha JS, Sen PC. A correlative study of serum zinc and in vivo cell mediated immune status in rheumatic heart disease. *Acta Cardiol* 1996;47:297-304.
- Keen CL, Gershwin ME. Zinc deficiency and immune function. *Annu Rev Nutr* 1990;10:415-431.

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