

Xtra-Cell® Thymus

Frozen Liquid Extract

DESCRIPTION

Xtra-Cell® Thymus provided by Douglas Laboratories®, is an innovative frozen liquid extract consisting of a complex spectrum of proteins and peptides known as thymic factors obtained from porcine thymus tissue, with additional zinc for immune support.

Xtra-Cell® Liquid Extracts

Xtra-Cell® Thymus is manufactured and purified via a patented* low temperature process that involves homogenization, fractionation, and ultra filtration of porcine thymus tissue. The molecules present in this product are selected based on their size and low molecular weight (6,000 - 50,000 Daltons), and are isolated in their native state. Once the molecules are selected, the liquid is aseptically bottled to ensure optimal potency, freshness and bioavailability. This unique process can be applied to different starting materials, allowing for the creation of liquid extracts that are targeted for specific applications. The extract created from this tissue is highly bioavailable and of the highest quality available.

FUNCTIONS

The thymus gland is essential for the maturation and maintenance of the immune system. It functions by releasing certain thymic factors that affect its own regulation as well as the functions of other cells throughout the body. These thymic factors (including but not limited to thymosins, thymopoietin, thymic factor X, and serum thymic factor) tend to reach their peak at puberty and decline with age. These peptides are important for the healthy maturation and activation of T lymphocytes, which can in turn activate B-lymphocytes and macrophages and contribute to a healthy immune system. Supplementing with extracts that provide thymic factors may be important to maintaining normal immune function.† Xtra-Cell® Thymus provides a broad range of thymic peptides. One of the basic concepts of glandular therapy is that the oral ingestion of animal glandular material may result in the strengthening of the corresponding human gland. The result is a broad general effect indicative of glandular function. Thus, glandular therapy supports the tone, function, and/or activity of the corresponding gland.† This principle is a mainstay of oriental therapy.

Zinc is an essential trace element required for the activity of over 300 enzymes and is involved in most major metabolic pathways. 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.

INDICATIONS

Xtra-Cell® Thymus may be a useful dietary supplement for those who wish to support proper immune function.†

FORMULA (#201936-8XC)

Serving Size 1 Bottle (9 ml)

Servings Per Container 8

Amount Per Serving:

Zinc.....1 mg

(as zinc gluconate)

Porcine Thymus Aqueous Extract....0.3 fl. oz. (9 ml)

*Extraction process covered under U.S. patent number 5,985,839

SUGGESTED USE

Adults take 2 bottles of Xtra-Cell® Thymus per week for the first 2 weeks and 1 bottle per week thereafter, or as directed by your healthcare professional.

Xtra-Cell Thymus Frozen Liquid Extract

DIRECTIONS FOR USE

Thaw contents by holding in hand. Open bottle and drink the entire contents. Take on an empty stomach either a half hour before or two hours after a meal.

STORAGE

Store in freezer. Do not thaw and re-freeze. Keep out of reach of children.

SIDE EFFECTS

No adverse effects have been reported.

WARNING: This product may not be suitable for children 12 years of age or younger, pregnant or nursing women, persons taking immunosuppressants, or persons allergic to pork products. Consult a healthcare professional before using.

REFERENCES

- Galli M, Crocchiolo P, Negri C, et al. Drugs Exp Clin Res 1985;11(9):665-9.
Genova R, Guerra A. Int J Tissue React 1986;8(3):239-42.
Iaffaioli RV, Frasci G, Tortora G, et al. Thymus 1988-89;12(2):69-75.
Lin CY, Hsu HC, Chen CL, Shen EY. Ann Allergy 1987;58:379-84.
Valesini G, Barnaba V, Benvenuto R, et al. Eur J Cancer Clin Oncol 1987;23(12):1915-9 Burger RA, Torres AR, Warren RP, et al. Int J Immunopharmacol 1997;19:371-9.
Jones K. Alt Compl Ther 1998;4:256-66 [review].

For more information on Xtra-Cell® Thymus visit douglaslabs.com

† 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.

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