

Xtra-Cell® Anti-Aging Support† Frozen Glandular Extracts

DESCRIPTION

Xtra-Cell® Anti-Aging Support†, provided by Douglas Laboratories®, is an innovative frozen liquid extract to support healthy aging that consists of selected proteins, peptides and other growth factors and signaling molecules obtained from porcine adrenal, thymus and mesenchyme tissues, as well as a specialized marine liquid cartilage extract.†

FUNCTIONS

Xtra-Cell® Anti-Aging Support† is manufactured and purified via a patented low temperature process that involves homogenization, fractionation, and ultrafiltration of porcine and marine tissues. The molecules present in this product are selected based on their size and molecular weight, and are isolated in their native state. Compounds found in the mesenchyme, adrenal and thymus are typically less than 50,000 Daltons, while the compounds present in the marine cartilage extract are less than 500,000 Daltons. Once the molecules are selected, the liquid is aseptically bottled and flash-frozen without preservatives to ensure optimal potency, freshness and bioavailability. This process can be applied to different starting materials, allowing for the creation of liquid extracts that are targeted for specific applications. The extracts created from these tissues are highly bioavailable and of high quality.

Supplementing with adrenal extract may help to stimulate the adrenal gland.† The unique organ-specific glandular growth factors and signaling molecules present in the adrenal and mesenchyme extracts in Xtra-Cell Anti-Aging Support help to promote healthy adrenal function, improve cellular activity, and promote homeostasis, all of which can contribute to healthy aging. † Mesenchyme is embryonic connective tissue composed of pluripotent cells, or cells that are undifferentiated and have the ability to specialize into almost any type of cell. The material used is obtained from fetal porcine mesenchymal tissue from which cellular growth factors and other signaling molecules are extracted. In vitro data have demonstrated that the components present in the mesenchyme extract may increase cellular metabolism as demonstrated by significant increases in fibroblast mitochondrial activity in the presence of unaffected cellular proliferation.† The combination of adrenal and mesenchyme extracts in Xtra-Cell® Anti-Aging helps to support healthy adrenal function. It also provides thymus extract containing a broad range of thymic peptides and may play important roles in supporting lymphocyte proliferation and maturation, thus helping to support overall immune function.† Liquid cartilage extract contains numerous peptides and other signaling factors that may help to maintain the structure and function of the extracellular matrix as well as support joint and connective tissues, all of which contribute to healthy aging.† Compounds present in LCE can help to support the activity of a family of zinc-dependent enzymes known as matrix metalloproteinases (MMPs).† Specifically, MMP-2 MMP-9, and MMP-12 (also know as gelatinase A gelatinase B, and metalloelastase, respectively) have been shown to be involved in the breakdown of skin collagen fibers, vascular basement membranes, and cartilage.†

INDICATIONS

Xtra-Cell® Anti-Aging Support† may be a useful dietary supplement for those who wish to support healthy aging.

FORMULA (#99460)

1 bottle contains:

Porcine Mesenchyme Aqueous Extract 125X.....	0.16 fl oz (4.8 mL)
Porcine Adrenal Aqueous Extract (with Mesenchyme 125X)	0.05 fl. oz (1.4 mL)
Porcine Thymus Aqueous Extract	0.05fl oz (1.4 mL)
Marine Liquid Cartilage Extract (from fish)	0.05 fl oz (1.4 mL)

SUGGESTED USE

As a dietary supplement, take one bottle per day or as directed by your healthcare professional.

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DIRECTIONS FOR USE

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

SIDE EFFECTS

This product may not be suitable for children 12 years of age or younger, pregnant or nursing women, persons taking immunosuppressants, those allergic to fish (shark) and/or pork products, persons with circulatory and/or nervous conditions, and persons who recently had a heart attack. Consult a healthcare professional before use.

STORAGE

Keep Frozen. Do not thaw and refreeze. Keep out of reach of children.

REFERENCES

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For more information on Xtra-Cell® Anti-Aging Support† 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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