

Xtra-Cell® CF Support
Frozen Glandular Extracts

DESCRIPTION

Xtra-Cell® CF Support provided by Douglas Laboratories, is an innovative frozen liquid extract consisting of selected proteins, peptides and other growth factors and signaling molecules obtained from porcine adrenal and mesenchyme tissues.

FUNCTIONS

Xtra-Cell® CF Support is manufactured and purified via a patented† low temperature process that involves homogenization, fractionation, and ultrafiltration of porcine adrenal and fetal mesenchyme tissue. The molecules present in this product are selected based on their size and molecular weight, and are isolated in their native state. The molecules present in this product are selected based on their size and molecular weight (less than 50,000 Daltons), and are isolated in their native state. 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 two tissues are highly bioavailable and of the highest quality available.

Adrenal

Suboptimal adrenal function has been implicated in symptoms of fatigue, exhaustion and a reduction in the body’s defenses against the stresses imposed by that fatigue. Enhancing adrenal function and maintaining cellular activity and energy are important factors in combating fatigue.† Supplementing with adrenal extract may help to stimulate the adrenal gland and promote homeostasis.†

Mesenchyme

Mesenchyme is embryonic connective tissue composed of pluripotent cells, or cells that are undifferentiated and have the ability to evolve into almost any type of cell. The mesenchyme tissue used in Xtra-Cell® CF Support is obtained from embryonic fetal porcine tissue from which cellular growth factors and other signaling molecules are extracted. In vitro data have shown that the components present in the mesenchyme extract can support cellular metabolism as demonstrated by an increase in fibroblast mitochondrial activity in the presence of unaffected cellular proliferation (figures 1 and 2). The combination of adrenal and mesenchyme extracts in Xtra-Cell® CF Support synergistically provides nutritional support for fatigue, and helps to promote healthy adrenal function and improved cellular activity.†

INDICATIONS

Xtra-Cell® CF Support may be a useful dietary supplement for those who wish to support adrenal function.

FORMULA (#99457)

Each 9 mL bottle contains

Porcine Mesenchyme Aqueous Extract 125X.....	0.19 fl. oz. (5.5mL)
Porcine Adrenal Aqueous Extract	
(enriched with Mesenchyme 125X).....	0.12 fl. oz. (3.5 mL)

SUGGESTED USE

As a dietary supplement, take 1 bottle per day or as directed by your healthcare professional.

SIDE EFFECTS

This product may not be suitable for children under 12 years of age, pregnant or nursing women, persons with nervous and/or circulatory conditions, or those allergic to pork products. Consult a health care professional before use.

Xtra-Cell® CF Support**Frozen Glandular Extracts****STORAGE**

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

REFERENCES

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Jeffcoate WJ. Chronic fatigue syndrome and functional hypoadrenia--fighting vainly the old ennui. Lancet. 1999 Feb 6;353(9151):424-5.

Werbach MR. Nutritional strategies for treating chronic fatigue syndrome. Altern Med Rev 2000;5:93-108.

For more information on Xtra-Cell® CF 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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