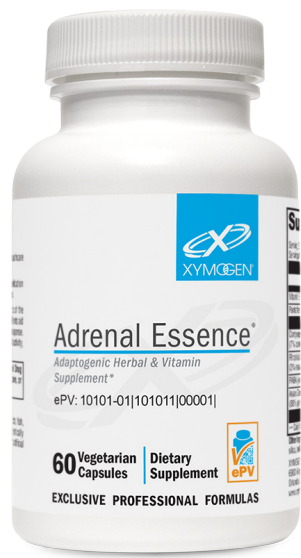


Adrenal Essence®

Adaptogenic Herbal & Vitamin Supplement*



Available in 60 capsules and 120 capsules

Discussion

Cordyceps sinensis (cordyceps) As a highly regarded cornerstone of Chinese medicine, cordyceps has been used for centuries for its far-reaching restorative effects. It is a safe, highly valued herb with activities that support nearly every physiological system impacted by the body's response to normal everyday stressors, including the immune and cardiovascular systems.^[1-4] Cordyceps has been used to support good balance, strength, and a healthy body weight. It is also widely and traditionally used to increase energy and enhance stamina.^[1,2] It has a positive effect on blood sugar and fat metabolism, which is important because fats and sugars are actively mobilized during activation of the stress response to supply the body with extra energy.^[1,4] Traditional Chinese Medicine (TCM) practitioners also recommend the regular use of cordyceps to strengthen the body.^[1] Furthermore, the cell-protective and antioxidant activities of cordyceps have been documented.*^[1,4-7]

Rhodiola rosea (rhodiola) This adaptogenic herb has been used traditionally in Eastern Europe and Asia for centuries to increase stamina, maintain a healthy mood, support the nervous and immune systems, and maintain healthy male sexual function.^[8,9] According to Panossian et al, experimental studies performed on isolated organs, tissues, cells, and enzymes demonstrate that rhodiola preparations exhibit adaptogenic effects that support nerve, brain, and heart health and are calming, longevity-enhancing, and central nervous system-stimulating.^[9] In addition, experimental animal models suggest that the root extract may be able to support normal heart rhythm.^[10] Rhodiola may also have a positive effect on brain neurotransmitters, such as dopamine and serotonin, and may influence endogenous opioid levels.^[8] According to a review of the literature on rhodiola, supplementation supports healthy work performance, quality of sleep, appetite, and energy levels subsequent to intense physical or intellectual strain. Salidroside and rosavin have been identified as primary actives. The rhodiola extract in this formula is standardized to provide no less than 1%-3% salidroside and 3% rosavin.*

Clinical Applications

- » Helps Support Healthy Energy Levels*
- » Supports the Body's Adaptogenic Response*
- » Supports Healthy Immune Function*
- » Supports Antioxidant and Cell-Protective Activity*

*Adrenal Essence® is a comprehensive blend of standardized extracts of the highest-quality adaptogenic herbs plus three B vitamins. These ingredients aid in adrenal hormone production and support the body's adaptogenic response. The formula is designed to support healthy energy levels, antioxidant activity, and healthy immune function.**

Panax ginseng (ginseng) As an important herbal remedy in TCM, ginseng has been used for thousands of years, primarily for energy production. The main active agents have been identified as ginsenosides, and they are the focus of much published research.^[11] Experimental models show that ginseng and ginsenosides have beneficial effects in supporting the adrenal glands; protecting the gastric mucosa; and supporting healthy body weight, blood hormones, and the gene expression of catecholamine-synthesizing enzymes.^[11-15] Ginsenosides also have immune-supporting and cytokine-modulating activities.*^[12,16]

Vitamin B6, Pantothenic Acid, and Para-Aminobenzoic Acid (PABA) Pantothenic acid is essential to the adrenal glands for production of the glucocorticoids. It forms pantothenic acid in the body, which then converts to coenzyme-A—the most active metabolic enzyme in the human body needed to produce cellular energy.^[17] D-calcium pantothenate contains 91.96% pantothenic acid and is the usual supplemental form. Vitamin B6, acting as a coenzyme, has a role in the conversion of muscle glycogen to glucose, which is needed for a proper response to stressors; the synthesis of serotonin; and the support of the immune function.^[18] PABA has a role in amino acid metabolism and is needed to manufacture folic acid.*

The Thyroid Connection The interplay between healthy adrenal function and healthy thyroid function has long been recognized by functional medicine practitioners. In fact, cortisol acts in concert with thyroid hormone at the receptor-gene level, and a normal physiologic amount of cortisol is important for normal thyroid function.*^[19]

Adrenal Essence® Supplement Facts

Serving Size: 1 Capsule

	Amount Per Serving	%Daily Value
Vitamin B6 (as pyridoxine HCl)	25 mg	1471%
Pantothenic Acid (as d-calcium pantothenate)	50 mg	1000%
Cordyceps Extract (<i>Cordyceps sinensis</i>)(mycelium)(7% cordycepic acids)	400 mg	**
Rhodiola Extract (<i>Rhodiola rosea</i>)(root)(3% rosavins and 1% salidroside)	100 mg	**
PABA (<i>para</i> -aminobenzoic acid)	25 mg	**
Asian Ginseng Extract (<i>Panax ginseng</i>)(root)(5% ginsenosides)	20 mg	**

** Daily Value not established.
Other Ingredients: HPMC (capsule), stearic acid, magnesium stearate, silica, and medium-chain triglyceride oil.

DIRECTIONS: Take one capsule twice daily, or as directed by your healthcare professional.

Consult your healthcare professional prior to use. Individuals taking medication should discuss potential interactions with their healthcare professional.

STORAGE: Keep closed in a cool, dry place out of reach of children.

FORMULATED TO EXCLUDE: Wheat, gluten, yeast, soy, animal and dairy products, fish, shellfish, peanuts, tree nuts, egg, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, and artificial preservatives.



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Additional references available upon request

All XYMOGEN® Formulas Meet or Exceed cGMP Quality Standards.

*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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