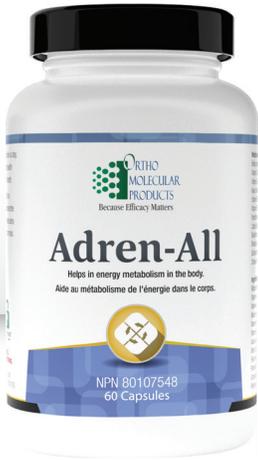


ADREN-ALL



RECOMMENDED USE

- Source of antioxidants that helps protect cells against the oxidative damage caused by free radicals
- Helps in energy metabolism in the body

ENERGY SUPPORT

Adren-All contains a blend of key micronutrients and botanicals specifically formulated to support healthy energy metabolism and provide antioxidants that helps protect cells against the oxidative damage caused by free radicals.

Overview

Fatigue is a psychobiological state caused by prolonged periods of demanding activity and exertion.¹ Fatigue can be either mental or physical in nature and can start affecting performance.¹ Reactive oxygen species and other free radicals can lead to oxidative stress and damaging cells.² Adren-All provides a unique blend of botanicals and micronutrients that support healthy energy metabolism, and provides antioxidants to protect against oxidative damage.

Rhodiola rosea Root Extract

Rhodiola rosea is a source of antioxidants which helps to reduce the amount of damaging free radicals within the body. Free radicals are the toxic byproducts of oxygen metabolism that are the cause of oxidative damage to cells.³ *Rhodiola rosea* has demonstrated the increase in the activity of antioxidant enzymes such as catalase, superoxide dismutase and glutathione peroxidase.⁴ As well, total plasma antioxidant levels and superoxide dismutase were increased in rowers supplemented with *Rhodiola rosea*.⁵

Licorice Root Extract

Licorice root (*Glycyrrhiza uralensis*) has been traditionally used in herbal medicine due to the numerous supportive roles of its active ingredient, glycyrrhizin.⁶

Micronutrient Blend

Adren-All contains a combination of micronutrients that are crucial for energy metabolism. Vitamin B6 is a cofactor of enzymatic reactions for metabolism and critical in the synthesis of new tissue and the body's ability to absorb vitamin B12. Vitamin B12 (methylcobalamin), also a cofactor of reactions for metabolism, is important for the formation and health of red blood cells responsible for oxygen delivery essential for recovery after exertion of the body. Mild deficiencies of these vitamins are linked to muscle weakness, tiredness, lightheadedness, and poor mental performance. Vitamin C cannot be synthesized by humans and is therefore an essential nutrient that must be consumed in the diet. Among its numerous health-promoting properties, vitamin C helps in wound healing, connective tissue formation and the development and maintenance of bones, cartilage, teeth and gums as well as serves as an antioxidant for the maintenance of good health.

Adrenal Concentrate

For thousands of years, glandular concentrates have been used in medicine to supply key nutrients to support the body. The concept of glandular therapy states that similar organ extracts from animals will support the same organ within humans by stimulating its activity.

Recommended Dose

Adults: Take 1 capsule with food, twice a day. Avoid taking at bedtime. Consult a health care practitioner for use beyond 1 month.

Medicinal Ingredients (per capsule)

Beta-carotene.....	150 mcg (250 IU)
Vitamin C (Ascorbic acid USP).....	100 mg
Vitamin E (d-alpha Tocopheryl acid succinate USP).....	6.7 mg AT (10 IU)
Niacin (Nicotinic acid USP).....	10 mg
Vitamin B6 (Pyridoxine hydrochloride, Pyridoxal 5'-phosphate USP).....	15 mg
Vitamin B12 (Methylcobalamin).....	100 mcg
Pantothenic acid (Calcium D-pantothenate USP).....	175 mg
Cattle (<i>Bos taurus</i> , Adrenal gland).....	110 mg
Eleuthero (<i>Eleutherococcus senticosus</i> , Root) extract.....	50 mg (0.8% Eleutherosides, 47.5:1, QCE 2375 mg)
Rhodiola (<i>Rhodiola rosea</i> , Root) extract.....	50 mg (3% Rosavins)
Schisandra (<i>Schisandra chinensis</i> , Fruit) extract.....	50 mg (10:1, QCE 500 mg)
Chinese licorice (<i>Glycyrrhiza uralensis</i> , Root) extract.....	37.5 mg (12% Glycyrrhizin, 20:1, QCE 750 mg)

Non-Medicinal Ingredients

Gelatin, Magnesium stearate, Calcium silicate.

Risk Information

Consult a health care practitioner prior to use if you are taking antidepressant medication, hormone replacement therapy (HRT) or birth control pills; or if you have a liver disorder; or if you are breastfeeding. People sensitive to nicotinic acid may experience flushing of the skin that is generally mild and transient. Consult a health care practitioner if you have any type of acute infection. Do not use this product if you have hypokalemia, high blood pressure, or a kidney or cardiovascular disorder; or if you have bipolar disorder or bipolar spectrum disorder; or if you are pregnant; or if you are taking thiazide diuretics, cardiac glycosides, corticosteroids, stimulant laxatives or other medications which may aggravate electrolyte imbalance. Stop use if you experience irritability or insomnia.

Store in airtight container, protected from light.

To be sure this product is right for you, always read and follow the label.

References:

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3. Parisi A, Tranchita E, Duranti G, Ciminelli E, Quaranta I, Ceci R, Cerulli C, Borrione P, Sabatini S. Effects of chronic *Rhodiola rosea* supplementation on sport performance and antioxidant capacity in trained male: preliminary results. *The Journal of Sports Medicine and Physical Fitness* 2010;50:57-63.
4. Antioxidant effects of *Cinnamomi cassiae* and *Rhodiola rosea* extracts in liver of diabetic mice. *Biofactors* 2006;26(3): 209-219
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6. Akamatsu H, Komura J, Asada Y, Niwa Y. Mechanism of anti-inflammatory action of glycyrrhizin: effect on neutrophil functions including reactive oxygen species generation. *Planta Med* 1991;57(2):119-121.

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