



BioAdreno

Serving Size 1 capsule

Servings Per Container 90

| | Amount Per Serving |
|--|--------------------|
| Vitamin C | 100 mg |
| Pantothenic acid (d-calcium pantothenate) | 250 mg |
| Adrenal gland | 300 mg |

OTHER INGREDIENTS: Gelatin, microcrystalline cellulose, magnesium stearate, and silica. *Source of gland is freeze-dried, lyophilized, range-grazed New Zealand bovine.*

SUGGESTED USE: As a dietary supplement, take 1-3 capsules one time per day or as directed by your healthcare professional.

BIOADRENO

NUTRITIONAL FORMULA FOR NOURISHING EXHAUSTED AND OVERSTRESSED INDIVIDUALS

- Supports healthy adrenal function
- Prevents delayed recovery from stress
- Supports good cardiovascular health
- Support for Insomnia
- Blood sugar level maintenance
- Supports a healthy immune system

BIOADRENO is an important support product for the adrenal cortex. By supporting your patient during periods of deficient cortisol output, you can assist your patient in achieving a more rapid recovery of their adrenal hormone reserves and functional capacity. Each capsule of BioAdreno supplies therapeutic levels of key nutrients that assist in adrenal cortex glandular recovery.

PRESCRIPTION STEROIDAL HORMONES may boost your patient's sense of immediate well-being. BioAdreno is designed to provide the necessary nutrients for rebuilding, which is necessary for long-term health to be accomplished. Dosing with BioAdreno can be very different from one person to another. It is recommended that adrenal function testing be utilized to individualize the specific dosages and timing for maximum patient response. Cortisol and DHEA (dihydroepiandrosterone) levels can be assessed through serum levels or via salivary measurements.

SALIVARY TESTING IS RAPIDLY BECOMING THE CHOICE OF MOST PHYSICIANS. IT HAS SEVERAL ADVANTAGES:

1. The free or biologically active portion of cortisol and DHEA is quantified.
2. Multiple samples throughout the day can be collected and the patient's adrenal cortisol circadian rhythm can be determined.
3. Samples can be taken under real life conditions, not in the artificial setting of a doctor's office.
4. Collection of samples is non-stressful and therefore does not contribute to aberrant spikes in cortisol output.

BIOADRENO

REFERENCES:

1. PDR for Nutritional Supplements, 1st Ed. *Medical Economics/Thomson Healthcare*. 2001.
2. PDR for Herbal Supplements, 1st Ed. *Medical Economics/Thomson Healthcare*. 1998.
3. Rubin, D & Levine, S. Oralmat and HIV Disease: A report of five cases. *J. Orthomolecular Medicine* 16:183-7, 2001.
4. Stough, C., Lloyd, J., Ryan, J & Nathan, P. The central nervous system effects of an extract of the rye plant, *Secale cereale* (Oralmat): preliminary indication of an anxiolytic/sedative mode of action. *Phytomedicine* (submitted), 2002.
5. Cooper, D. M., Rogers, K.M. & Falconer, J. A double-blind placebo controlled study of a Rye based herbal extract (Oralmat™) in adult asthma; evidence of improvement demonstrated. *Phytomedicine* (submitted), 2002.
6. Hagiwara, Yoshihide: Green Barley Essence: the ideal fast food. *Nature's Source*. 1985.
7. Livesey, G., Wilkinson, JA., Roe, M., Faulks, R., Clark, S., Brown, JC., Kennedy, H., Elia, M. Influence of the physical form of barley grain on digestion of its starch in the human small intestine and implications for health. *Am J Clin Nutr. Jan; 6(1): 75-81, 1995.*
8. Lupton, JR., Robinson, MC., Morin, JL. Cholesterol-lowering effect of barley bran flour and oil. *J Am Diet Assoc. Jan; 94(1): 65-70, 1994.*
9. Dillon, JC., Phuc, AP., Dubacq, JP. Nutritional value of the algae *Spirulina*. *World Rev Nutr Diet. 77:32-46, 1995.*
10. Evets, LB., Belookaya, TV., Lyalikov, SA., Orehov, SD. & Shipulin, EV. Grodenski State Medical University, 1994. *Townsend Letter for Doctors. July 125, 1995.*
11. Venkataraman, LV., Somasekaran, T., Becker, EW. Replacement value of blue-green alga (*Spirulina platensis*) for fishmeal and a vitamin-mineral premix for broiler chicks. *Br Poult Sci. Jul; 35(3): 373-81. 1994.*

PANTOTHENIC ACID (VITAMIN B5) is essential in many enzymatic pathways involved in healthy adrenal gland function. Stress and the 'fight or flight' response may deplete adrenal gland reserves. Pantothenic acid has been used successfully for decades to assist individuals recover their health after periods of prolonged or traumatic stress.

ASCORBIC ACID (VITAMIN C), like pantothenic acid, is well known for its ability to support healthy adrenal gland function. Vitamin C is an anti-stress nutrient in every regard.

ADRENAL CORTEX (GLANDULAR CONCENTRATE), like our other ingredients, is of the highest quality around. Our choice of glandulars have been selected carefully with quality and health in mind. Our adrenal cortex comes from New Zealand freeze-dried, range-grazed bovine sources. New Zealand glands are clean. No growth hormones, pesticides, herbicides, etc. are used. Antibiotics are only used when necessary, not as a daily continuous feed as is the common practice in other countries. These glands are inspected and analyzed for purity (freedom from contamination from viruses, bacteria, parasites, chemicals, heavy metals, etc.). Freeze drying preserves the delicate enzymes, trace nutrients, organic proteins and hormones.

In short, BioAdreno™ Adrenal Cortex supplies your patients with all the nutrients necessary to support proper functioning of their adrenal glands.