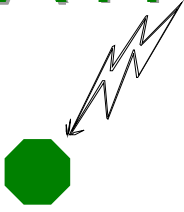


ATP



MONTIFF INC

Don Tyson's Advanced Nutraceuticals

ATP

Adenosine Triphosphate

ATP is the energy source, found in the mitochondria of all living cells, and necessary for healthy function of brain, and heart as well as for increased muscle strength and contractions.

Each enteric coated tablet contains: 25 mg. of pure ATP produced from biological fermentation.

WHAT IS ATP

- ATP, or Adenosine Triphosphate, is a molecule found in the mitochondria, and is the energy source of all cells.
- It is converted to ADP (Adenosine Diphosphate) which is the energy necessary for transmitting nerve cells, muscle contractions, and cell division.
- As part of the Krebs cycle, it is involved in the metabolic process of amino acid and carbohydrate metabolism.
- Co-Q 10, Phosphocreatine, and alpha lipoic acid have an effect on the production of ATP.

RECOMMENDED TO ENHANCE STRUCTURE & FUNCTION RELATING TO NUTRITIONAL DEFICIENCIES PERTAINING TO:

- Cellular energy production necessary for healthy heart and brain function as well as energy for all living cells.
- Has been used for patients with angina pectoris, and other coronary problems.
- To increase muscular contractions, which is useful for athletes resulting in longer and more vigorous workouts
- Impaired muscle function problems.
- Hepatic and Liver function

ATP AND HEART FUNCTION

The heart muscle contains over 2 million myocytes, or heart cells that produce the energy necessary to contract, or beat, the normal 60 times a minute. ATP is the energy source of all heart cells. It may be indicated in conditions such as: angina pectoris, heart insufficiency, auricular fibrillation failures, coronary insufficiency, and myocarditis.

ATP AND AMINO ACID METABOLISM

- ATP is involved in the Krebs cycle, or citric acid cycle, and is necessary for the proper metabolism of amino acids.
- Low ATP interferes with the necessary biosynthesis required for proper AA metabolism and can also result in biochemical imbalances. These imbalances can create metabolic problems and effect proper neurotransmitter function. This may also effect the urea cycle and create harmful excess ammonia levels.

ATP AND ATHLETES

- ATP is the primary source of energy for muscle contractions. Muscle contractions place a demand on ATP resulting in insufficient amounts necessary for protein synthesis.
- Creatine Phosphate or Phosphocreatine (the major phosphorylated compound in muscle tissue) is the back up source for ATP, which metabolizes in the presence of the enzyme Creatine Kinase.
- Phosphocreatine declines rapidly in the muscle tissue during physical activity, which can also diminish the amounts of ATP, causing extreme fatigue.
- Increased ATP along with creatine may enable more muscle contractions resulting in longer and more vigorous workouts. This can enhance sports activity and performance.
- ATP is recommended along with MONTIFF'S SUPER CREATINE and SUPER SPORTS amino acid formula for optimum results.

ATP AND BRAIN FUNCTION :

ATP is necessary for the energy required for proper brain and nerve cells, and beneficial results have been noted with neurological problems, including cerebral arterial sclerosis and cerebral epilepsy.

ATP FOR THOSE WITH HEPATIC, LIVER & CEREBRAL HEMORRAGE, ISCHEMIA & SHOCK

A rapid fall of tissue content of ATP has been noted in ischaemic kidney tissue, and patients with the above conditions who, were administered ATP by IV infusion showed marked improvement in several studies. Therefore, it may be beneficial to follow-up with oral ATP supplementation.

ADDITIONAL POSSIBLE INDICATIONS INCLUDE:

- SKIN: atopic dermatitis and acute chronic eczema
- MUSCULAR CONDITIONS: progressive muscular atrophy, myasthenia, and progressive neuralgic amyotrophy.
- EAR: tinnitus, neurogenic difficulty in hearing, Meniere's Syndrome.
- EYE: opthalmacopia.
- SURGERY: Studies indicate positive results improving venous flap survival as well in by-pass surgical patients with ischemic heart diseases.
- OTHER: haemolytic anemia, gastroptosis, acute hepatitis, and acute nephritis.

BENEFITS OF MONTIFF'S ATP

- Montiff's ATP is the highest quality available.
- It is natural, made from biological fermentation.
- The tablets are enteric coated to allow them to dissolve in the intestinal track for optimal absorption and assimilation.
- Desiccant pads are included in ATP as well as all Montiff products, to insure maximum freshness.

DIRECTIONS: 1-3 tablets up to three times a day or as needed, between meals.

Caution: ATP is a very safe substance, however, it is not recommended for those with hypotension, due to possible hypotensive effects.

REFERENCES:

- Packer, Lester, PhD., Colman, Carol, The Antioxidant Miracle, 1999.
- "The Effect of Glutathione, Superoxide Dismutase and Adenosine Triphosphate on Venous Flap Survival", European Journal of Plastic Surgery (Germany) 1996.
- "The Effect of ATP on Heart Function of Patients with Chronic Ischemic Heart Disease After Aortacoronary Bypass Surgery", Anesteziol Reanimatol (Russian Federation), 1993.
- Champs, PC, Harvey, RA, Lippincott's Illustrated Reviews: Biochemistry. 1987.
- "Evidence for Enhanced Uptake of ATP by Liver and Kidney in Hemorrhagic Shock", Am. J. Physiol., 1977.
- Rankin, AC et al., "Adenosine or ATP for Supraventricular Tachycardias? Comp. Dbl. Blind.Study..", American HeartJ., 1990
- "Purine Metabolism in Ischaemic Kidney Tissue", Danish Med. Bull., 1982.
- Chaudry IH, Yale J. of Biol. Medicine, 1982.
- Moro, C et al, "Dose Related Efficacy of Aden. Triphosphate. In Spontan. Supraventricular Tach.", Internat. J. of Cardiol., 1989.
- "Alterations in Cell Functions with Ischemia and Shock and Their Correction", Arch. Surg. (Chicago). 1981.
- Kyowa Hakko Publication on Japan's Statement of Classifications no. 81392.
- "Functional & Metabolic Effects of Adenosine in Cardioplegia: Role of Temperature & Concentration", Annals. of Thor. Surg., 1997.
- Di Pasquale, Mauro, M.D., Amino Acids and Proteins for the Athlete, The Anabolic Edge, 1997.