



Adenosine 5'-Triphosphate
96% ATP Disodium

Overview	<p>TSI Health Sciences, Inc. (TSI) presents PEAK ATP[®], a proprietary nutraceutical ingredient which provides the exact molecule the human body needs to create energy, making it effective for a variety of clinical indications, such as energy, athletic performance and anti-aging.</p> <p>Never before has ATP been legitimately available for dietary supplement use. Other dietary supplements may claim to enhance physiological ATP synthesis, but only the exogenous administration of ATP itself has been scientifically proven to effectively elevate ATP levels. Additionally, TSI works closely with our manufacturing licensees to ensure the proper technology is utilized in order to enhance the absorption of ATP into the bloodstream.</p> <p>Importantly, bodily levels of ATP decline with age and other stressors – and declines in ATP stores are associated with impaired organ and muscle function.¹ Studies on cells, animals and normal human subjects have shown that exogenous administration of ATP elevates ATP levels in blood and tissues and increases circulation.² Increased blood flow has a host of benefits, since blood is the delivery source of glucose, nutrients and oxygen for cells.</p>	
Functional Categories	Energy and Vitality, Athletic Performance, Anti-Aging	
Action*	<ul style="list-style-type: none"> • Elevates ATP levels in blood and tissues² • Enhances the delivery of glucose, nutrients and oxygen to working and recovering muscles and helps remove catabolic waste products³ • Regulates vascular tone to reduce pulmonary and systemic vascular resistance, without affecting blood pressure or heart rate, and enhances cerebral blood flow⁴ 	
Benefits*	<ul style="list-style-type: none"> • Increases overall energy levels, reduces fatigue and enhances general well-being • Benefits muscle growth, strength and recovery, thereby improving athletic performance • Helps combat the effects of aging, by supporting cardiovascular and respiratory health and boosting mental acuity 	
TSI Advantages	<ul style="list-style-type: none"> • Safety and efficacy supported by an extensive body of science • Only ATP clinically tested to demonstrate efficacy • License to issued and pending patents • Trademarked brand name and mark • In-house physical, analytical and microbial testing 	
Dosage Info	Suggested Dosage	100 - 125 mg (depending on indication), two times daily, on an empty stomach
Safety	General	LD ₅₀ at greater than 15 g/kg (Rats, oral administration)
	Side Effects	None known
	Interactions	None known
Availability	Available in 10 kg double poly-lined fiber drums	

References	<ol style="list-style-type: none"> 1. Rabini R A et al. Diabetes Mellitus and Subjects' Ageing: A Study on the ATP Content and ATP-related Enzyme Activities in Human Erythrocytes. <i>Eur. J. Clin. Invest.</i> 1997; 27:327-332. 2. Rapaport E et al. J. Anticancer Activities of Adenine Nucleotides in Mice Are Mediated Through Expansion of Erythrocyte ATP Pools. <i>Proc. Natl. Acad. Sci. USA</i> 1989; 86:1662-1666. 3. Gonzalez-Alonso J et al. Erythrocyte and the Regulation of Human Skeletal Muscle Blood Flow and Oxygen Delivery: Role of Circulating ATP. <i>Circulation Research.</i> 2002; 91:1046-1055. 4. Kichenin K et al. Cardiovascular and Pulmonary Response to Oral Administration of ATP in Rabbits. <i>J. Appl. Physiol.</i> 2000; 88:1962-1968.
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