Clinical Applications

» Designed to Support a Healthy Energy Level*
» Supports Electrolyte Replacement*
» Helps Fight Free Radicals with Antioxidant Nutrients, Including S-Acetyl-L-Glutathione and 500 mg of Vitamin C*
» Provides an Alternative to Ordinary Caffeine*
» Provides Ingredients That Support ATP Biosynthesis*

**ATP Ignite™** transforms water into a great-tasting, revitalizing energy drink. Each stick provides a combination of B vitamins, electrolytes, trace minerals, amino acids, herbs, and antioxidants to fuel your body’s energy production. Building on these important nutrients, **ATP Ignite also features Purenergy™**, a technology-driven, patent-protected ingredient that combines caffeine and pTeroPure™ pterostilbene. Initial reports suggest that Purenergy’s caffeine may be absorbed more slowly and stay in your system longer than regular caffeine, which may help your energy last longer. With just 5 g of carbohydrate per serving and zero sugars, **ATP Ignite simply gives your body what it needs to produce energy.**

help prevent the “crash” associated with regular caffeinated energy products and may give **ATP Ignite an advantage over formulas that use ordinary caffeine.**

**All-Natural, No Sugars**
**ATP Ignite** relies on natural ingredients, not ephedra or artificial stimulants. Furthermore, it provides only five grams of carbohydrates and zero sugars. By using natural flavors and stevia in place of sugar and other carbohydrates, the typical “sugar high” that is associated with many energy drinks can be avoided. Equally important, **ATP Ignite contains no artificial colors.**

**Caffeine, in General**
In animal and human studies, caffeine has demonstrated positive effects on athletic performance, fatigue, and cognitive functions, such as supporting a healthy memory. According to Meeusen et al, research on caffeine suggests its performance-enhancing effect is related to antagonism of the adenosine receptors that influence the dopaminergic and other neurotransmitter systems.

**Pterostilbene**
In the aforementioned human study, Purenergy also delivered approximately 50% more total pterostilbene into the blood than pTeroPure delivered alone,[26] thus potentially enhancing the functional benefits of pterostilbene. Pterostilbene is a highly bioavailable analog of resveratrol—a stilbenediol found in blueberries and grapes. Compared to resveratrol, pterostilbene is four times more bioavailable,[27] has a seven times greater half-life,[28] exhibits greater oral absorption and metabolic stability (pterostilbene is more lipophilic), and produces two to four times greater cellular uptake.[29] Aside from resveratrol’s well-known antioxidant benefits that support cardiovascular health, pterostilbene is also known to activate certain proteins (i.e., SIRT1 and PGC-1α) involved in increasing mitochondrial biogenesis and therefore ATP (energy) production.*

**Electrolytes and Antioxidants**
Electrolytes—including sodium, potassium, and magnesium—are important for energy production, nerve transmission, muscle contractions, pH balance, fluid balance, and more. Conditions that promote excessive sweating and increased metabolic activity can require replacement of these important minerals and increase the need for antioxidants. **ATP Ignite provides 130 mg of sodium, 280 mg of potassium, and 150 mg of magnesium in each serving. To support protection from free radicals, **ATP Ignite** utilizes caffeine. As such, it may offer significant advantages over caffeine alone.*

**Study Findings**
In a rat study (n=6), the half-life of the caffeine from Purenergy was eight hours, while that of ordinary caffeine was just three hours.[20] In a preliminary, four-week, single-blind, crossover human study (n=12) that compared 232 mg of Purenergy (providing 99.76 mg of caffeine) to 100 mg of ordinary caffeine, the following effects were demonstrated:

- Purenergy delivered almost 30% more caffeine into the blood than ordinary caffeine.*
- The absorption rate of the caffeine from Purenergy was significantly slower by approximately 30% compared to ordinary caffeine.*
- The half-life of the caffeine from Purenergy was extended significantly by approximately 25% compared to ordinary caffeine.*
- At 4 hours, serum showed 45% more caffeine from Purenergy compared to ordinary caffeine.*
- At 6 hours, serum showed 51% more caffeine from Purenergy compared to ordinary caffeine.*
- Purenergy had no adverse effect.*

While the results of these studies are promising, larger studies are needed to validate the findings and determine if these findings translate into a lengthened energy effect.*

**More Energy**
Taken together, data from these studies suggest that the effects of caffeine from Purenergy may last longer than the effects from ordinary caffeine and point to a potential for reducing total caffeine intake due to Purenergy’s more efficient delivery and slower absorption rate. These are encouraging factors for people who wish to reduce their caffeine intake.*

**Slower Caffeine “Finish”**
Scientists are researching whether or not the extended half-life and slower absorption rate of caffeine from Purenergy can produce a more moderated and gradual finish. This may give ATP Ignite an advantage over formulas that use ordinary caffeine.*

*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.
ATP Ignite™ Natural Mixed Berry Supplement Facts

Serving Size: 1 Stick Pack (about 8.6 g)

<table>
<thead>
<tr>
<th>Nutrient</th>
<th>Amount Per Serving</th>
<th>% Daily Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calories</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Total Carbohydrate</td>
<td>5 g</td>
<td>2%*</td>
</tr>
<tr>
<td>Vitamin C (as sodium ascorbate, potassium ascorbate, calcium ascorbate, and zinc ascorbate)</td>
<td>500 mg</td>
<td>556%</td>
</tr>
<tr>
<td>Vitamin E (as alpha tocopheryl succinate)</td>
<td>10 mg</td>
<td>67%</td>
</tr>
<tr>
<td>Thiamin (as thiamine HCl)</td>
<td>0.45 mg</td>
<td>38%</td>
</tr>
<tr>
<td>Riboflavin (as riboflavin 5'-phosphate sodium)</td>
<td>0.5 mg</td>
<td>38%</td>
</tr>
<tr>
<td>Niacin</td>
<td>10 mg</td>
<td>63%</td>
</tr>
<tr>
<td>Vitamin B6 (as pyridoxal 5'-phosphate)</td>
<td>2.6 mg</td>
<td>153%</td>
</tr>
<tr>
<td>Folate (as Quatrefolic® (5')-5-methyltetrahydrofolic acid, glucosamine salt)</td>
<td>40 mcg</td>
<td>DFE 10%</td>
</tr>
<tr>
<td>Vitamin B12 (as MecobalActive® methylcobalamin)</td>
<td>2500 mcg</td>
<td>104.167%</td>
</tr>
<tr>
<td>Pantothenic Acid (as d-calcium pantothenate)</td>
<td>3 mg</td>
<td>60%</td>
</tr>
<tr>
<td>Magnesium (as Albion® di-magnesium malate)</td>
<td>150 mg</td>
<td>36%</td>
</tr>
<tr>
<td>Zinc (as TRAACS® zinc bisglycinate chelate)</td>
<td>3 mg</td>
<td>27%</td>
</tr>
<tr>
<td>Manganese (as TRAACS® manganese bisglycinate chelate)</td>
<td>0.5 mg</td>
<td>22%</td>
</tr>
<tr>
<td>Chromium (as TRAACS® chromium nicotinate glycinate chelate)</td>
<td>100 mcg</td>
<td>286%</td>
</tr>
<tr>
<td>Sodium</td>
<td>130 mg</td>
<td>6%</td>
</tr>
<tr>
<td>Potassium</td>
<td>280 mg</td>
<td>6%</td>
</tr>
</tbody>
</table>

Proprietary Blend

PURENERGY® (caffeine pterostilbine coxystal), whole coffee fruit (Coffee arabica)whole fruit(40% chlorogenic acid), taurine, L-arginine alpha-ketoglutarate, organic green tea aqueous extract (Camellia sinensis)leaf (25% polyphenols, 15% catechins, <10% caffeine), L-carnitine HCl, yielding a total of 95 mg of caffeine.

* Percent Daily Values are based on a 2,000 calorie diet.
** Daily Value not established.

Other Ingredients: Maltodextrin, citric acid, malic acid, potassium bicarbonate, natural grape powder, sodium bicarbonate, natural flavors (no MSG), stevia leaf extract, and silica.

DIRECTIONS: Dissolve the contents of one stick pack in 6-12 oz of water according to preferred sweetness. Consume the effervescent drink once daily, or use as directed by your healthcare practitioner.

Consult your healthcare practitioner prior to use. Individuals taking medication should discuss potential interactions with their healthcare practitioner. Caffeine should not be combined with synephrine or ephedrine. Use cautiously if you have a history of abnormal heart rhythm. Do not use if tamper seal is damaged.

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

DOES NOT CONTAIN: Wheat, gluten, yeast, soy protein, animal or dairy products, fish, shellfish, peanuts, tree nuts, egg, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, or artificial preservatives.

References


Additional references available upon request

*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.