



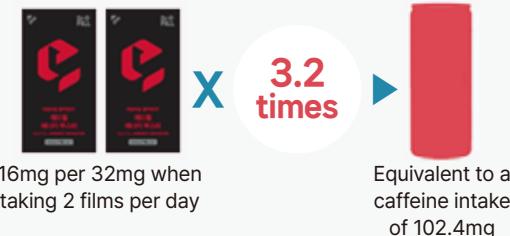
Product The First Energy-Boosting Film in Korea  
**Dr. FiLL Red FiLL EnergyBooster**



<b>Pack Size</b>	10 strips, 10strips*10
<b>Category</b>	Other Processed Products (Food)
<b>Functionality</b>	Energy boost
<b>Main Ingredient</b>	Natural ingredient guarana containing caffeine (16 mg of caffeine per strip) <ul style="list-style-type: none"><li>• Taurine: The Energy-Boosting Ingredient</li><li>• Essential vitamins for modern individuals include Vitamin B1, Vitamin B6, Vitamin C, and Vitamin E.</li><li>• Essential amino acids that make up muscles, known as BCAAs (L-Leucine, L-Isoleucine, L-Valine)</li></ul>
<b>Subsidiary Ingredient</b>	
<b>Shelf Life</b>	36 months
<b>Dosage Instruction</b>	Place the film on your tongue and feel the energy charging as it dissolves <ul style="list-style-type: none"><li>• For a convenient boost of vitality, take one strip a day</li><li>• When you need to focus, take two strips a day</li><li>• If you require an energy boost, take three strips a day</li></ul>
<b>Flavor</b>	Lemon Flavor + Energy Drink Flavor
<b>Technology</b>	Deliciously formulated with Dr.FiLL BIOSorbFilm®'s taste-masking technology <ul style="list-style-type: none"><li>• Stay awake during travel, business trips, or long drives</li><li>• Boost your energy during exercise</li><li>• Manage your condition before an important interview</li><li>• Maintain focus during heavy workloads, including night shifts, overtime, or shift work</li></ul>
<b>Suggested For</b>	

## Caffeine Film: Gaining Global Recognition for Alcohol-Degrading Enzymes

When you need an energy boost, energy drinks typically offer a temporary awakening effect due to their high caffeine and sugar content. However, excessive consumption can lead to side effects such as insomnia, nervousness, diuretic effects, and liver damage



Optimal Dosage for Maximum Energy Developed in a film form to ensure safe consumption.

Consistent Contract Manufacturing Requests from Overseas Companies for Caffeine Film

The birth of a natural caffeine film using ginseng and guarana from Brazil

With high-content loading technology, the proper dosage is ensured + taste masking technology makes it delicious + the exact dosage is accurately implemented, all guaranteed by the patented Dr.FiLL BIOSorbFilm® technology



### Advantages of Film-type Energy Films



< Portability >



< Low Sugar >



< Low Calories >

## Brazilian Ginseng, Guarana

- **Etymology:** The name comes from the Guarani word *guara-ná* and the Tupí-Guarani word *warana*, meaning a fruit that resembles the human eye. The origin is due to the fruit's seeds protruding when ripe, resembling the shape of a human eye.
- Guarana, which contains natural caffeine, is known as the source of energy and focus for Amazonian natives.
- It is a fruit that can only grow in the unique climate and soil of the Amazon.
- The Brazilian city of *Guaraná*, known for producing this fruit, is the longest-lived city in Brazil.
- French scientist Paolo Cointre stated, "Guarana is the most widely used medicinal tree in Brazil, known for its effects on relieving fatigue, promoting heart and blood circulation, and stimulating brain activity."

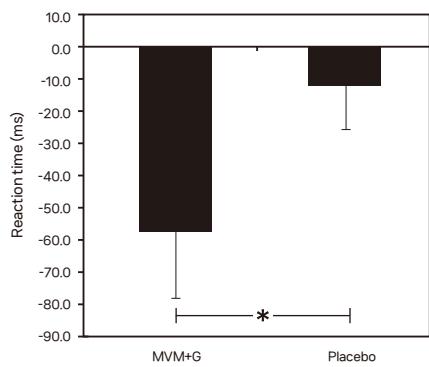


## Plant-derived Natural Caffeine: Guarana

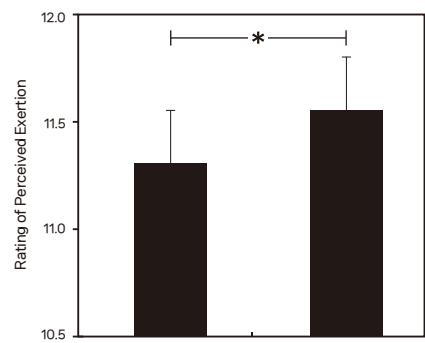
### 1. Exercise Performance

Nutrients 2015, 7, 6109~2197

- In a study with 40 adult males, the level of effort required for exercise was compared numerically, and it was found that the reaction time was faster when guarana + vitamins were consumed (Fig. 3)
- The group that consumed guarana + vitamins performed exercise more easily and showed improved cognitive function for up to 90 minutes compared to the group that consumed only vitamins (Fig. 4)



**Figure 3.** Mean reaction times (ms) on a picture recognition task following consumption of a multi-vitamin and mineral complex with guaraná (MVM + G) or placebo prior to exercise. Values are change from baseline, \*  $p < 0.05$ .



**Figure 4.** Mean rating of perceived exertion during exercise following prior consumption of a multi-vitamin and mineral complex with guaraná (MVM + G) or placebo. Values are absolute, \*  $p < 0.05$ .

### 2. Fatigue and Cognitive Improvement

Appetite 50 (2008) 506-513

- A study with 129 young adults aged 18-24, consuming 9mg of guarana.
- Improvement in fatigue (Fig. 1a), task accuracy (Fig. 1b), and cognitive ability (Fig. 1c)

