

GABA relax™

Gamma Aminobutyric Acid (GABA) is a natural active non-protein amino acid, which is naturally present in the human body, has very important functions of calming and anti-anxiety. It plays a fundamental role in the regulation of the organisms' life activities.



1 Advantages of GABA relax™

High safety

Produced by bio-fermentation, non-GMO
Kosher and Halal certified, non-animal origin

High purity

With advanced production process, the content of GABA can reach more than 98%
Managed according to ISO9001, HACCP, ISO22000 and GMP quality management systems

Professional service

Customized products (GABA ≥ 20% & ≥ 98%)
All-around technical support and efficacy evaluation

2 Benefits

Relax & anti-stress

GABA is the most important inhibitory neurotransmitter in the brain, which helps prevent nerve cells from firing too often. Over-firing can cause restless, irritability and anxiety. As such, GABA has a calming and soothing effect.

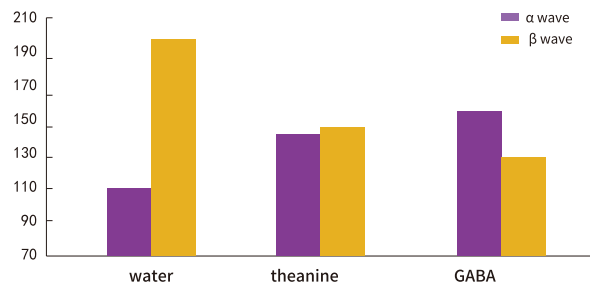


Fig.1 The change of α、β waves in brain waves after taking water, L-theanine and GABA

α wave: represent relaxation; β wave: represent anxiety and pressure;
L-theanine: a substance known to enhance the α wave.
(Adham M.A., S. Higashiguchi, 2006)

Improve sleeping

GABA is found in large amounts in the hypothalamus suggesting that this amino acid plays a crucial role in the hypothalamic-pituitary function. The hypothalamus regulates the instinctive functions, such as sleep cycles, body temperature, and the activity of the pituitary gland. In addition, because of its calming and soothing effects, GABA also reduces stress and promotes sleeping.

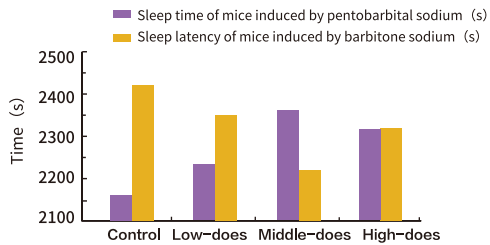


Fig.2 The sleep improvement efficacy test with oral Gabarelix™ (Shaojing Sun, Zhen Lu, Yanli Shi, 2020)

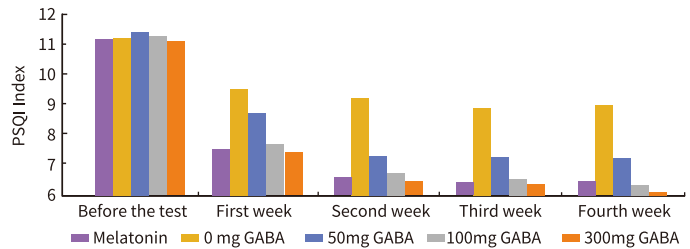


Fig.3 The sleep improvement efficacy test with oral Gabarelix™ (Bloomage Biotechnology Corporation Limited, 2019)

Relieve fatigue

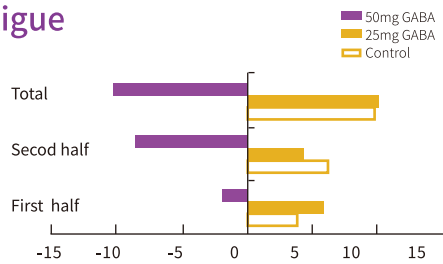


Fig.4 Change in VAS scores after administration of the UKT (T Kanehira, Y Nakamura, K Nakamura, 2010)

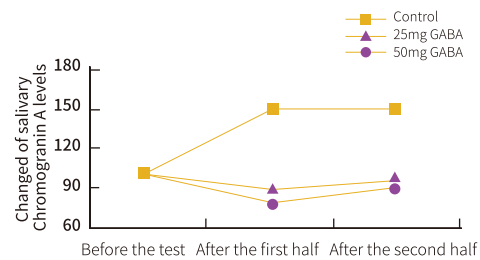


Fig.5 Change in salivary chromogranin A levels before, after the first half, and after the second half of the UKT (T Kanehira, Y Nakamura, K Nakamura, 2010)

Beauty effect

Cell test shows that GABA can promote the synthesis of procollagen-I, hyaluronic acid and elastin. The increase of procollagen-I, hyaluronic acid and elastin confirmed its beauty benefits.

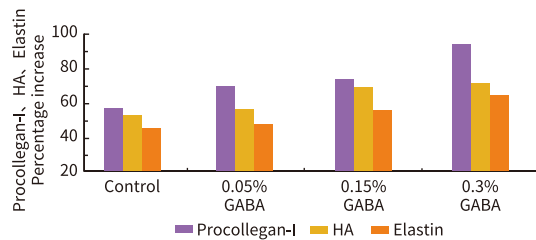


Fig.6 Gabarelix™ beauty effect cell evaluation (Bloomage Biotechnology Corporation Limited, 2020)

③ Applications

The application of GABA in food started in Japan in 1980s, founded in Gabaron tea drinks. Nowadays it is widely used in common food, health food and well recognized by consumers.

	Application	Benefits
Common food	Drinks, dairy products, chocolates, candy, cakes, biscuits, sauces, etc	Relax & anti-stress Improve sleeping
Health food	Tablets, granules, powders, liquids, chewables, capsules, etc	Relieve fatigue Beauty effect



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