

# Gut-Immune Axis for Healthy Aging

# EUGLENA GREEN



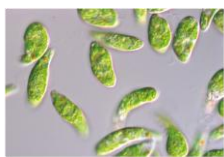
## BENEFITS



**Supports** Gut Microbiome Immune balance Stress resilience Sleep Quality

## What is Euglena Green?

- A single-celled microalgae
- Born on the prehistoric earth about 500 million years ago
- Length 0.05 mm to 0.1 mm. Width 0.01 mm
- **Grows by photosynthesis**, carbon dioxide is inhaled, and oxygen is exhaled
- Used for healthy food, fertilizers, animal feed and biofuels
- Made in Okinawa, JAPAN



## Why is it Different? 3 Features:

1

**59 Nutrients**  
Supports healthy daily life

2

**No Cell Wall**  
Supports 93% high digestibility

3

**β1-3 Glucan (Paramylon)**  
A functional component only Euglena owns

Photo of paramylon [ref. Prof. Shinichi Fukuoka AGU]

## Applications & Trust



**PROVEN MARKET SUCCESS:**  
One of the most famous green superfood in Japan  
Cumulative Sales of over 1 billion powdered drink units  
The product is also **sold at major retailers such as Costco Japan**

## Global Standards



- Non-GMO
- Vegan Friendly

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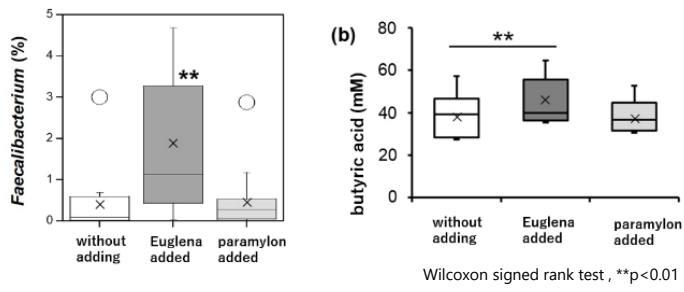
## DRIVEN BY SCIENCE

Euglena has been studied across multiple domains relevant to healthy aging, rather than a single pathway.

By supporting gut microbiome composition via the gut-immune axis, Paramylon helps regulate immune function. Human clinical studies suggest this may contribute to autonomic nervous system regulation, improved stress resilience, supporting sleep quality, and a foundation for healthy aging



### Enhancement of Gut Microbiome Function (in Vitro)

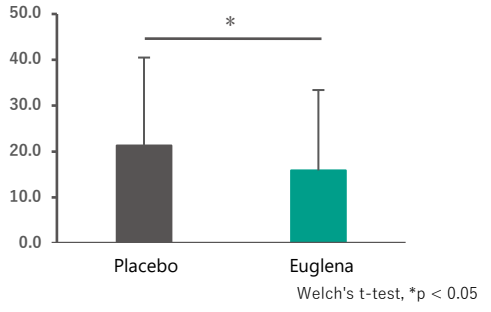


After 30 days of Euglena intake (2 g/day), the abundance of the butyrate-producing bacterium *Faecalibacterium* increased, supporting gut microbiome function.

Nakashima, et al. 2021



### Reduction of No. of days cold symptoms (Human Clinical)

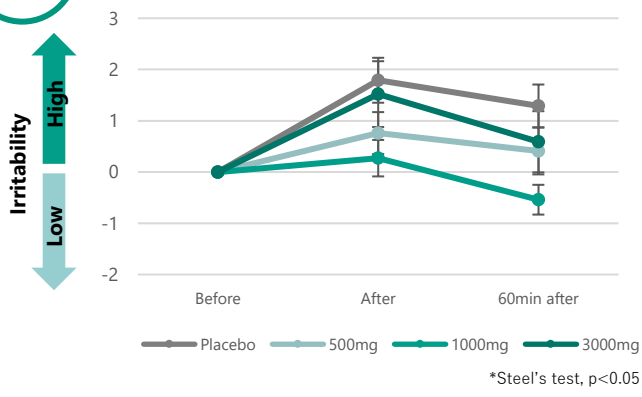


After 8 weeks of continuous intake (1g/day), reduced the number of days with common cold-like symptoms compared to placebo.

Nakashima, et al. 2025



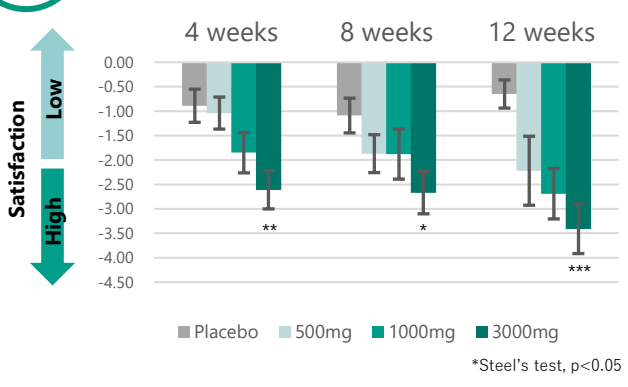
### Supports to Reduce Irritability (Human Clinical)



After 12 weeks of continuous intake, Euglena reduced irritability during and 60 minutes after stressful tasks.



### Supports Sleep Quality (Human Clinical)



After 12 weeks of continuous intake, Euglena showed high levels of sleep satisfaction.

Nakashima, et al. 2020

## Line up

**50%+  $\beta$ 1-3 Glucan**  
**(*Euglena gracilis* EX50+)**

## Contact

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