The probiotic formula that helps the body to reduce stress and anxiety.*

Floradaprt™ Brain

Lactobacillus plantarum DR7 | 1x10⁹ cfu

NEW

- Non-GMO Strain derived from Bovine milk that modulates the Gut Brain Axis*
- Helps to improve response to everyday gut stress and anxiety*
- Promotes the enhancement of memory and cognitive traits*

* 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.
The probiotic formula that helps to improve mental wellness by enhancing mood and cognitive functions.*

Floradapt Brain contains one probiotic strain:

- **GENUS**: Lactobacillus
- **SPECIES**: plantarum
- **STRAIN**: DR7

L. plantarum DR7 is a non-GMO probiotic strain that helps the body to reduce everyday stress, and promotes the improvement of cognitive and memory functions.*

**Non-GMO**: isolated from bovine milk

**Clinically Tested** by a randomized, double-blind, placebo-controlled clinical trial

**Supports** the metabolism of Serotonin and Dopamine pathways*

**Fulfills** FAO/WHO requirements for a probiotic strain

---

*FAO: Food and Agriculture Organization of the United Nations; WHO: World Health Organization.*
**The Dynamics of the Gut Brain Axis in the Body**

Tryptophan and tyrosine are essential amino acids precursors to numerous neurologically active compounds, among them are\(^2,^3\):

- **Tyrosine**
  - ↑ TyrH → **Dopamine**
  - ↑ TPH1 → **Serotonin**
- **Tryptophan**
  - ↑ IDO → **Kynurenine**

**Serotonin** is involved in Happiness and Mood regulation\(^4\)

Tryptophan is involved in Immune System activation\(^2\)

**Gut-Brain Axis metabolism processes impacted by *L. plantarum* DR7\(^i\)**

1. *L. plantarum* DR7 works to enhance upregulation of serotonin pathway

   - Tryptophan → ↑ TPH1 → ↑ Serotonin
   - ↑ IDO → ↓ Kynurenine

2. *L. plantarum* DR7 supports the stabilization of the dopamine pathway

   - Tyrosine → TyrH → Dopamine → DBH → Norepinephrine → Maintained

**Floradapt Brain helps to reduce stress and anxiety symptoms and promotes the enhancement of cognitive and memory functions**

**Floradapt Brain enhances the metabolism of Serotonin and Dopamine pathways**

---

**INDICATIONS**

- *L. plantarum* DR7 may exert its effects along the Gut-Brain Axis through the following:
  - Floradapt Brain helps to reduce stress and anxiety symptoms and promotes the enhancement of cognitive and memory functions\(^*\)
  - Floradapt Brain enhances the metabolism of Serotonin and Dopamine pathways\(^*\)

---

*IL: interleukin; IFN: interferon; TNF: tumor necrosis factor.*
Clinical data

*L. plantarum DR7 helps the body to reduce symptoms of everyday stress and anxiety vs. placebo*¹

Higher reduction in total DASS-42 score* was observed for all subjects after week 8, (P=0.022) and increased after week 12.

Results of a double-blind, randomised and placebo-controlled study N=111 (n=56 DR7; n=55 placebo).¹

*L. plantarum DR7 helps the body to reduce cortisol and pro-inflammatory cytokines vs. placebo*¹

- Supports the body in reducing plasma cortisol levels in all subjects after 12 weeks (P<0.05)*
- Helps the body in increasing IL-10 cytokines (P<0.01) and IL-4 (P<0.05) and decreasing (pro-inflammatory) cytokines IFN-g (P<0.001) and TNF-a (P<0.05).*

*L. plantarum DR7 works with the body to Improve several cognitive and memory functions vs. placebo*¹

- Social emotional cognition (P=0.001)
- Verbal learning and memory (P<0.05)
- Basic attention (P<0.05)
- Associative learning (P=0.01)

Results of a double-blind, randomised and placebo-controlled study N=111 (n=56 DR7; n=55 placebo).¹

*DASS (Depression, Anxiety and Stress scales) is a validated questionnaire widely used to determine stress and anxiety levels, with 42 self-reporting items that reflect negative emotional symptoms.*
An imbalance in everyday stress keeps us from achieving optimal physical and mental health \(^6,7\)

Exposure to stress plays an important role in physical and mental health\(^8\)

It can affect **cognitive function** in the short-term, in decreased concentration, which leads to a **reduced ability to process information**, even over the long-term.\(^8\)

In addition, continuous stress can lead to anxiety and sub-optimal mental health.\(^9\)

---

**Everyday stress is manifested in a variety of ways:**

Sleepless nights, exhaustion, excessive worry, overwhelming feelings, lack of focus, reduced ability to pay attention, and irritability; even physical symptoms such as fatigue, accelerated heart rate, muscle tension, and headaches.

A reduction in everyday stress can increase overall quality of life.

---

**AT WORK**

To cope better with pressure and demands of the workplace\(^10\)

**AT HOME**

To meet family obligations, or perform a caretaker role more effectively

**IN YOUNG PEOPLE**

To manage anxiety from school/university, social life, relationship with parents and their expectations, or life changes\(^11\)

**IN AGING POPULATIONS**

To reduce psychological stress, an important risk factor related to a broad range of aging-related health outcomes\(^9\)
Floradapt™ Brain (L.plantarum DR7) is a non-GMO probiotic strain that helps to reduce everyday stress & anxiety symptoms, and promotes the enhancement of cognitive and memory functions*1

**MANUFACTURED WITH ALLERGEN-FREE INGREDIENTS**

1. Probiotic strain that supports body against stress and anxiety, while enhancing memory and cognition*1
2. Contributes to mental wellness supporting different emotional and physical needs*1
3. Non-GMO: isolated from bovine milk. QPS and GRAS*
4. Clinically Tested, including biomarker data, in a randomized, placebo-controlled, double blind-clinical trial.*

**References**


Learn more about our probiotics with exclusive mechanisms of action for:

- GASTRONOMIC HEALTH
- CARDIO METABOLIC HEALTH
- PEDIATRIC HEALTH
- ORAL HEALTH
- IMMUNE HEALTH

*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.