

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

# floradapt<sup>™</sup> Brain

*Lactobacillus plantarum* DR7 | 1x10<sup>9</sup> cfu

NEW

✓  
CLINICALLY  
TESTED

- ▶ **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.**

**Kaneka**  
PROBIOTICS

**The probiotic formula that helps to improve mental wellness by enhancing mood and cognitive functions.\*<sup>1</sup>**

**Floradapt Brain** contains one probiotic strain:

*Lactobacillus*      *plantarum*      DR7

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GENUS                      SPECIES                      STRAIN



**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



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\*<sup>1</sup>

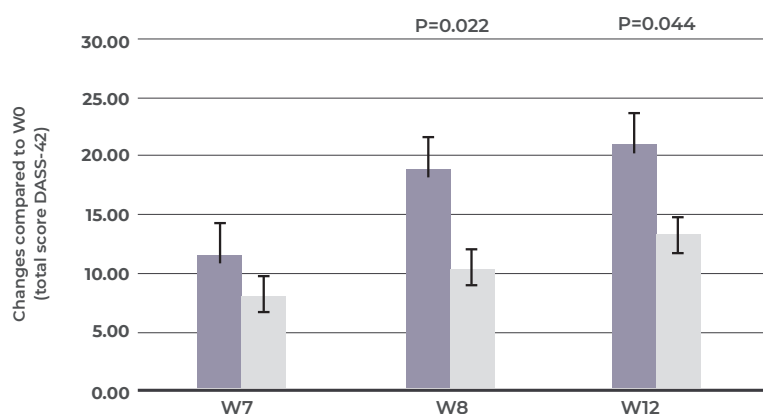
FAO: Food and Agriculture Organization of the United Nations; WHO: World Health Organization.



# Clinical data



## ***L.plantarum DR7 helps the body to reduce symptoms of everyday stress and anxiety vs. placebo\*<sup>1</sup>***



Adapted from Chong et al. 2019<sup>1</sup>

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

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

- ✓ 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\****

- ✓ 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).<sup>1</sup>

\*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.<sup>5</sup>

# An imbalance in everyday stress keeps us from achieving optimal physical and mental health<sup>6,7</sup>

Exposure to stress plays an important role in physical and mental health<sup>8</sup>



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.<sup>8</sup>

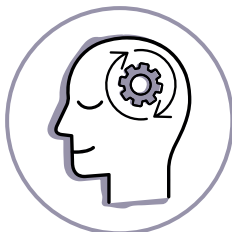


In addition, continuous stress can lead to anxiety and sub-optimal mental health.<sup>9</sup>



## *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<sup>10</sup>

### 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<sup>11</sup>

### IN AGING POPULATIONS



To reduce psychological stress, an important risk factor related to a broad range of aging-related health outcomes<sup>8</sup>

# 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\*<sup>1</sup>

MANUFACTURED  
WITH ALLERGEN-FREE  
INGREDIENTS

ONCE  
DAILY



- 1 Probiotic strain that supports body against stress and anxiety, while enhancing memory and cognition\*<sup>1</sup>
- 2 Contributes to mental wellness supporting different emotional and physical needs\*<sup>1</sup>
- 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.\*

**efsa**  
European Food Safety Authority  
Qualified presumption of safety

**NO GMO**  
No genetically modified organism

## References

1. Chong HX, Yusoff NAA, Hor YY, et al. *Lactobacillus plantarum* DR7 alleviated stress and anxiety while improving memory and cognition in stressed adults via the serotonin and dopamine pathways: A randomised, double-blind, placebo-controlled study. *Beneficial Microbes*. 2018. 2. Davis I, Liu A. What is the tryptophan kynurenine pathway and why is it important to neurotherapeutics? *Expert Rev Neurother*. 2015;15(7):719-21. 3. Daubner SC, Le T, Wang S. Tyrosine hydroxylase and regulation of dopamine synthesis. *Arch Biochem Biophys*. 2011;508(1):1-12. 4. Baixauli E. Happiness: Role of Dopamine and Serotonin on Mood and Negative Emotions. *Emerg Med (Los Angel)* 2017;7(2):1-3. 5. Lovibond SH, Lovibond PF, editors. *Manual for the depression anxiety stress scales*. 2nd ed. Sydney: Psychology Foundation;1995. 6. Anxiety and Depression Association of America (ADAA). *Understanding the Facts. Stress*. Available at: <https://adaa.org/understanding-anxiety/related-illnesses/stress>. 7. McEwen BS. Neurobiological and Systemic Effects of Chronic Stress. *Chronic Stress (Thousand Oaks)*. 2017;1. 8. Scott SB, Graham-Engeland JE, Engeland CG, et al. The Effects of Stress on Cognitive Aging, Physiology and Emotion (ESCAPE) Project. *BMC Psychiatry*. 2015;15:146. 9. World Health Organization. *Depression and Other Common Mental Disorders*. Available at: <https://apps.who.int/iris/bitstream/handle/10665/254610/WHO-MSD-MER-2017.2-eng.pdf?sequence=1>. 10. Michie S. Causes and management of stress at work. *Occup Environ Med*. 2002;59(1):67-72. 11. American Psychological Association. *Stress in America. Identifying signs of stress in your children and teens*. Available at: [https://www.apa.org/images/signs-stress\\_tcm7-87102.pdf](https://www.apa.org/images/signs-stress_tcm7-87102.pdf).

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



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HEALTH



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HEALTH



/ PAEDIATRIC  
HEALTH



/ ORAL  
HEALTH



/ IMMUNE  
HEALTH

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