

Wsparcie przy zespole
jelita nadwrażliwego^{2,3,4}



Nietolerancja
laktozy i histaminy^{1,13,14}



Eliminacja
wzdęć^{3,5}



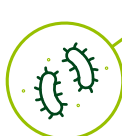
Poprawa
wchłaniania żelaza¹²



Ochrona przy
antybiotykoterapii⁶



Infekcje
rotawirusowe¹¹



Profilaktyka zakażeń
Clostridium difficile^{7,8}



Biegunki^{3,5}



Łagodzenie
bólów brzucha^{3,9}



Poprawa
odporności¹⁰



MECHANIZMY:¹

- ✓ Wysokie zdolności adhezyjne do śluzówki jelita,
- ✓ antagonizm w stosunku do kluczowych patogenów,
- ✓ stymulacja syntezy mucyny,
- ✓ produkcja kwasu mlekowego,
- ✓ obniżanie stanu zapalnego.

Piśmiennictwo:

1. Nordström EA et al. Lactiplantibacillus plantarum 299v (LP299V®): three decades of research. *Benef Microbes*. 2021 Oct 11;12(5):441-465. doi: 10.3920/BM2020.0191. Epub 2021 Aug 9. PMID: 34365915.
2. Niedzielin K et al. A controlled, double-blind, randomized study on the efficacy of Lactobacillus plantarum 299V in patients with irritable bowel syndrome. *Eur J Gastroenterol Hepatol*. 2001 Oct;13(10):1143-7
3. Nobaek S, Johansson ML, Molin G, Ahrné S, Jeppsson B. Alteration of intestinal microflora is associated with reduction in abdominal bloating and pain in patients with irritable bowel syndrome. *Am J Gastroenterol*. 2000 May;95(5):1231-8.
4. Marlicz W et al. Probiotics in irritable bowel syndrome - is the quest for the right strain over? Rapid review of existing guidelines and recommendations. *Prz Gastroenterol*. 2021;16(4):369-382.
5. Ducrotté P et al. Clinical trial: Lactobacillus plantarum 299v (DSM 9843) improves symptoms of irritable bowel syndrome. *World J Gastroenterol*. 2012 Aug 14;18(30):4012-8. 8.
6. Lönnermark E et al. Intake of Lactobacillus plantarum reduces certain gastrointestinal symptoms during treatment with antibiotics. *J Clin Gastroenterol*. 2010 Feb;44(2):106-12.
7. Kujawa-Szewieczek A et al. The Effect of Lactobacillus plantarum 299v on the Incidence of Clostridium difficile Infection in High Risk Patients Treated with Antibiotics. *Nutrients*. 2015 Dec 4;7(12):10179-88.
8. Dudzicz S et al. Lactobacillus plantarum 299v Reduces the Incidence of Clostridium difficile Infection in Nephrology and Transplantation Ward-Results of One Year Extended Study. *Nutrients*. 2018 Oct 24;10(11):1574.
9. McFarland LV et al. Strain-specific and outcome-specific efficacy of probiotics for the treatment of irritable bowel syndrome: A systematic review and meta-analysis. *EClinicalMedicine*. 2021 Oct 18;41:101154.
10. Ribeiro H, Vanderhoof JA. Reduction of diarrheal illness following administration of Lactobacillus plantarum 299v in a daycare facility. *J Pediatr Gastroenterol Nutr* 1998;26:561.
11. Cantú-Bernal S et al. Enhanced Viability and Anti-rotavirus Effect of Bifidobacterium longum and Lactobacillus plantarum in Combination With Chlorella sorokiniana in a Dairy Product. *Front Microbiol*. 2020 May 12;11:875.
12. Vonderheid SC et al. A Systematic Review and Meta-Analysis on the Effects of Probiotic Species on Iron Absorption and Iron Status. *Nutrients*. 2019 Dec 3;11(12):2938.
13. Arellano K et al. Safety Evaluation and Whole-Genome Annotation of Lactobacillus plantarum Strains from Different Sources with Special Focus on Isolates from Green Tea. *Probiotics Antimicrob Proteins*. 2020 Sep;12(3):1057-1070.
14. De Palma G et al. Histamine production by the gut microbiota induces visceral hyperalgesia through histamine 4 receptor signaling in mice. *Sci Transl Med*. 2022 Jul 27;14(655):eabj1895.



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