



SynBalance® HappyBelly

Help them feel better

Gastrointestinal



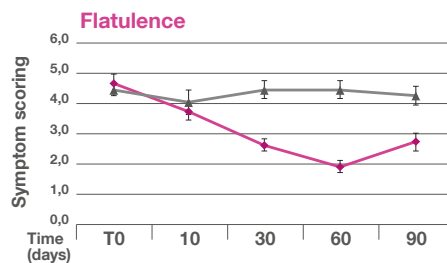
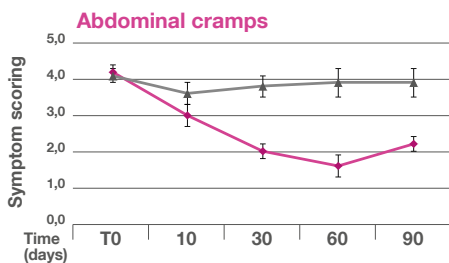
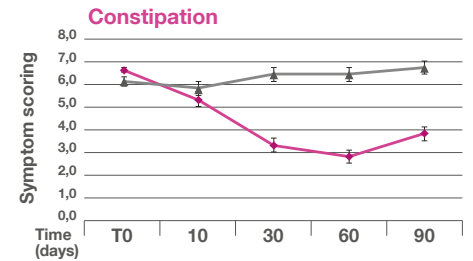
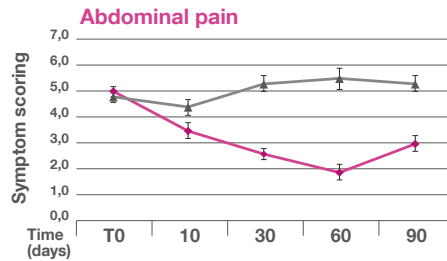
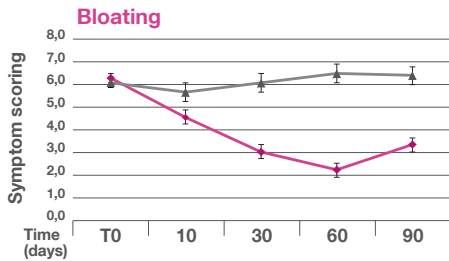
- › Probiotic complex for gastro-intestinal health:
L. acidophilus - PBS066
L. reuteri - PBS072
- › Helps keep children's health
- › Promotes the balance of a healthy gut microbiota
- › Typical dosage: 4B CFU/day (2B CFU/strain)
- › Minimum 10 days treatment
- › Customized concentration and full service solution available





✓ Clinical improvement of IBS-C like symptoms⁽¹⁾

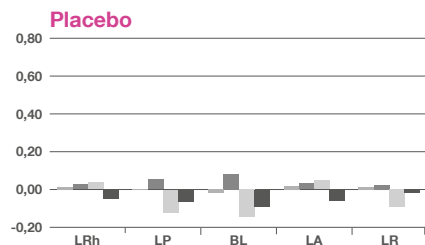
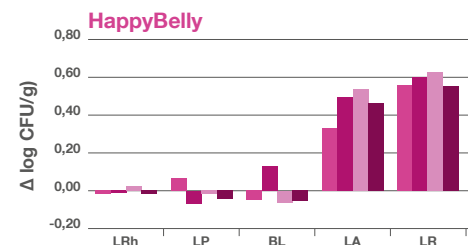
• RDBP clinical trial, 100 subjects with IBS-C, 60 days of treatment. End-point: GI-tract colonization, clinical evaluation of symptoms. Analytical technique: Real time - PCR performed at T0, T10, T30, T60, T90 (30dd wash out).



◆ HappyBelly ▲ Placebo

- ▶ Subject's self-assessment reported an improvement of 30% of the symptoms.
- ▶ Enhancement of the IBS-C symptoms in only 10 days.
- ▶ Long-term effect after the end of treatment consistently lower than placebo and basal value ($p < 0.001$).

✓ Clinical evidence of GI colonization⁽¹⁾



- ▶ Significant improvement of the selected strains in the active group ($p < 0.01$).
- ▶ Any significant increment of the species for the placebo group.

✓ In-vitro pathogens inhibition, antiox & anti-inflammatory activity⁽²⁾

• Inhibition of different pathogens, involved in enteric infections, by probiotics surnatants. Competition is evaluated through overlay assay measured by inhibition halo. Treatment model is mediated by metabolites (SCFA and bacteriocins).

▶ *In-vitro*, HappyBelly strains provide a wide protection from enteric pathogens and support immune functions.

(1) I. Presti, G. D'Orazio, M. Labra, et al., "Evaluation of the probiotic properties of new Lactobacillus and Bifidobacterium strains and their in vitro effect," Applied Microbiology and Biotechnology, vol. 99, no. 13, pp. 5613-5626, 2015.

(2) V. Mezzasalma et al., "A Randomized, Double-Blind, Placebo-Controlled Trial: The Efficacy of Multispecies Probiotic Supplementation in Alleviating Symptoms of Irritable Bowel Syndrome Associated with Constipation" BioMed Research International, 2016.

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