

# NEW ROOTS

NATURAL HEALTH PRODUCTS  
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# HERBAL

## » IBS URGENCY

WITH PROBIOTICS AND COLOSTRUM



- Exclusive information for health-care professionals -



# IBS URGENCY

An exclusive formulation based on 5 probiotic strains, colostrum, FOS and AOS.

## 3 HELPFUL STEPS FOR IRRITABLE BOWEL SYNDROME

### 1. PROBIOTICS

Influence on intestinal motility, the proinflammatory state, improves the intestinal barrier and the hypersensitivity on patients with Irritable Bowel Syndrome (IBS). Contains 5 specific strains (10 billion probiotic microorganisms per capsule) of efficacy shown in the Irritable Bowel Syndrome.

#### *Bifidobacterium infantis* <sup>(1,2,3)</sup>

Dominant in colon flora, its effectiveness has been proven in different studies upon confirming that it decreases pain and swelling, regulates intestinal transit and regulates the IL-10/IL-12 ratio, shown to be high in IBS patients, indicating a pro-inflammatory state in the intestinal mucosa.

#### *Bifidobacterium longum* <sup>(4)</sup>

In a study evaluating the effect of a probiotic combination on symptoms and colon transit in IBS patients, a reduction in flatulence and colon delay was observed in the first 4 weeks of treatment. This combination included *B. longum*.

#### *Lactobacillus acidophilus* <sup>(5,6)</sup>

This effective probiotic has been shown to improve overall symptoms (abdominal pain, flatulence, intestinal transit and general well-being) in patients with IBS. In another study, overall symptoms were reduced by 55.6 % in 14 days of treatment with a combination of *L. plantarum* and *L. acidophilus*.

#### *Lactobacillus plantarum* <sup>(3,7,8)</sup>

Studies have shown a reduction in abdominal pain and flatulence in IBS patients after treatment with *L. plantarum* for 4 weeks.

#### *Lactobacillus rhamnosus* <sup>(9,10)</sup>

This has been shown to be effective at improving abdominal pain in pediatric patients with different functional disorders, especially in those with IBS.



### 2. COLOSTRUM <sup>(11,12,13)</sup> of bovine origin free from pesticides, hormones, heavy metals and antibiotics

It has a high proportion of immunoglobulins (antibodies), antimicrobial factors (lactoferrin), immunomodulating polypeptides, anti-inflammatory cytokines, growth factors and other bioactive factors that promote an immune response and several studies suggest its administration to treat a variety of gastrointestinal disorder.

**IBS URGENCY CONTAINS COLOSTRUM OF HIGH QUALITY WITH MAXIMUM LEVELS OF POLYPEPTIDES RICH IN PROLINE AVAILABLE (8% PRP'S).**

- » Regenerates and promotes the growth of the intestinal flora avoiding pathogens invasion (*E.coli*, Rotavirus, *H.pylori*, etc...)
- » Growth factors take part in the regeneration and proliferation of the intestinal epithelium contributing to its reparation for a correct absorption and permeability.
- » The PRP's regulate the immune and inflammatory response doing a key moderator role in the irritable bowel syndrome.



### 3. PREBIOTICS

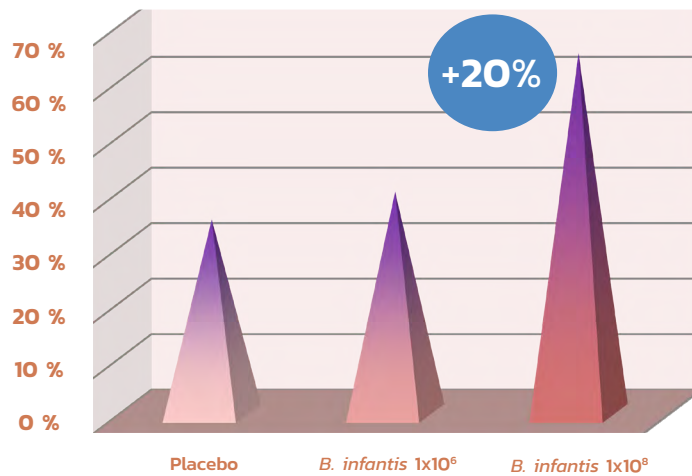
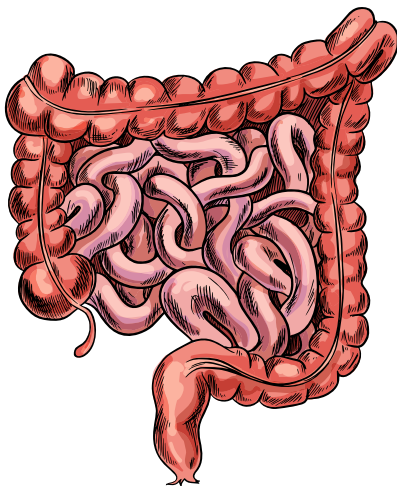
These are indigestible, fermentable ingredients that improve intestinal health by increasing the bacterial biomass of the colon. Fructooligosaccharides (FOS), and arabinogalactans (AOS) selectively promote the growth of bacterial species beneficial to health, mainly bifidobacteria and lactobacillus.

**IBS URGENCY CONTAINS FRUCTOOLIGOSACCHARIDES (FOS) OBTAINED FROM INSULIN EXTRACTED FROM CHICORY ROOT, AND ARABINO GALACTANS (AOS) WHICH COME FROM THE LARCH TREE (LARIX OCCIDENTALIS).**

FOS together with *B. longum* has been proven to improve symptoms and inflammatory markers in the mucosa of patients with inflammatory intestinal pathology.<sup>14</sup> Increase the production of short-chain fatty acids, mainly butyrate, acting as an energy substrate for epithelial cells in the

colon and as protector of the intestinal mucosa.<sup>15</sup> AOS activate an immune response and promote the growth of beneficial intestinal flora as a defence mechanism blocking the entry of germs.

COMPARISON OF THE *B. INFANTIS* EFFECT AT DOSES OF  $1 \times 10^6$  AND  $1 \times 10^8$  AGAINST THE PLACEBO IN THE GLOBAL ASSESSMENT OF SYMPTOMS ASSOCIATED WITH IBS<sup>(1)</sup>.



THE STUDY HAS SHOWN EFFICACY SUPERIOR TO 20% IN THE IMPROVEMENT OF THE GLOBAL SYMPTOMS OF *B. INFANTIS* AT ADOSE OF  $1 \times 10^8$  AFTER ITS ADMINISTRATION DURING 4 WEEKS.

<i>Lactobacillus rhamnosus</i> R0011 in Irritable Bowel Syndrom (IBS) <sup>10</sup>		
N° of patients	Duration	Results
50 patients	4 months	Decreased frequency of defecation; improvement of stool consistency, reduction of abdominal pressure and flatulence.
20 patients	21 days	Growth of the intestinal flora composition; it improves overall symptoms.

## THE + HIGHLIGHTED

- » It contains 5 specific strains with proven efficacy (10 billion probiotic microorganisms per capsule), high quality colostrum, FOS and AOS.
- » With *B. infantis* and *L. Plantarum*, the probiotics that have shown the most pronounced effect on symptom improvement in Irritable Bowel Syndrome (IBS).
- » Maximum available values of colostral polypeptides responsible for the modulatory effect on the inflammatory and immune response are ensured. Colostrum also promotes the growth of *B. infantis*.
- » Enteric coating to maximize protection of the live organisms against stomach acid.



### Nutritional information 1 enteric capsule

#### Human strains:

<i>B. longum</i> ssp. <i>infantis</i> R0033	4 billion CFU
<i>B. longum</i> ssp. <i>longum</i> R0175	4 billion CFU
<i>L. acidophilus</i> R0418	1 billion CFU

#### Plant strain:

<i>L. plantarum</i> R1012	1,333 billion CFU
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#### Dairy strain:

<i>L. rhamnosus</i> R0011	1,333 billion CFU
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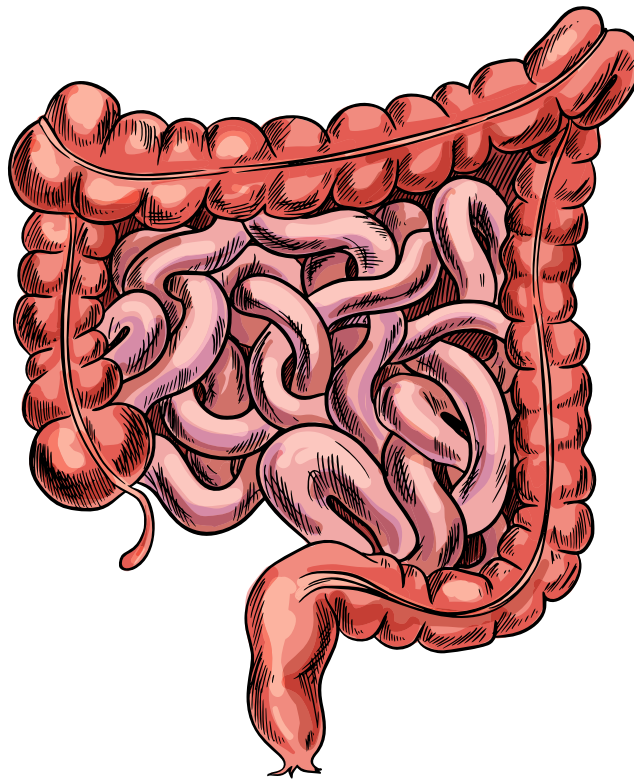
Bovine colostrum (from *Bos taurus*)  
(8% proline-rich polypeptides) 135 mg

Inulin 10 mg

Arabinogalactan 10 mg

Recommended daily dose: 2 capsules daily with water or juice.

Format: 30 capsules



#### References:

1. Whorwell et al. Efficacy of an encapsulated probiotic *Bifidobacterium infantis* 35624 in women with irritable bowel syndrome. *Am J Gastroenterol.* 2006;101:1581-1590
2. Saunjoon et al. Management of irritable bowel syndrome (IBS) in adults: conventional and complementary/alternatives approaches. *Alt Med Rev.* 2011;16(2):134-145
3. Mahony et al. Lactobacillus and Bifidobacterium in irritable bowel syndrome: symptom responses and relationship to cytokine profiles. *Gastroenterology* 2005;128:541-551
4. Kim et al. A randomized controlled trial of a probiotic combination VSL#3 and placebo in irritable bowel syndrome with bloating. *Neurogastroenterol Motil* (2005)17,687-696
5. Halpern et al. Treatment of irritable bowel syndrome with lacteol fort: a randomized, double-blind, cross-over trial. *Am J Gastroenterol* 1996; 91:1579-1585
6. Saggiaro A. Probiotics in the treatment of irritable bowel syndrome. *J Clin Gastroenterol* 2004;38:S104-106
7. Whorwell P. Do probiotics improve symptoms in patients with irritable bowel syndrome? *Ther Adv Gastroenterol* 2009; 2 (Suppl 1)S37-S44
8. Niedzielin et al. A controlled, double-blind, randomized study on the efficacy of Lactobacillus plantarum 299 v in patients with irritable bowel syndrome. *Eur J Gastroenterol Hepatol* 2001; 13:1143-1147
9. Gawronska et al. A randomized double-blind placebo-controlled trial of Lactobacillus CG for abdominal pain disorders in children. *Aliment Pharmacol Ther* 2007;25:177-184
10. Foster et al. A comprehensive post-market review of studies on a probiotic product containing *L.helveticus* R0052 and *L. rhamnosus* R0011. *Beneficial Microbes* 2011;2(4):319-334
11. Ghosh et al. Biactive natural compounds for the treatment of gastrointestinal disorders. *Clinical Science* 2003;104:547-556
12. Playford et al. Colostrum and milk-derived peptide growth factors for the treatment of gastrointestinal disorders. *Am J Clin Nutri* 2000;72:5
13. Nitsch et al. The clinical of bovine colostrum. *Journal of Orthomolecular Medicine* 1998;13(2):110-118
14. Pavón et al. Alimentos funcionales. Papel de los prebióticos en nutrición pediátrica. *An Pediatr, Monogr.*2005;3(1):24-33
15. Larch Arabinogalactan *Altern Med Rev* 2000; 5(5)463-466

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