

ProAct®

6 vials of 10ml

Product based on probiotics and prebiotics

(Symbiotic)

12 billion **lactic ferments**

selected to promote rebalancing
of intestinal bacterial flora



**Zinc and vitamins of B group,
enriched with fructooligosaccharides (FOS),
inulin and lactoferrin**

**GLUTEN-FREE AND LACTOSE-FREE
WITHOUT DYES**



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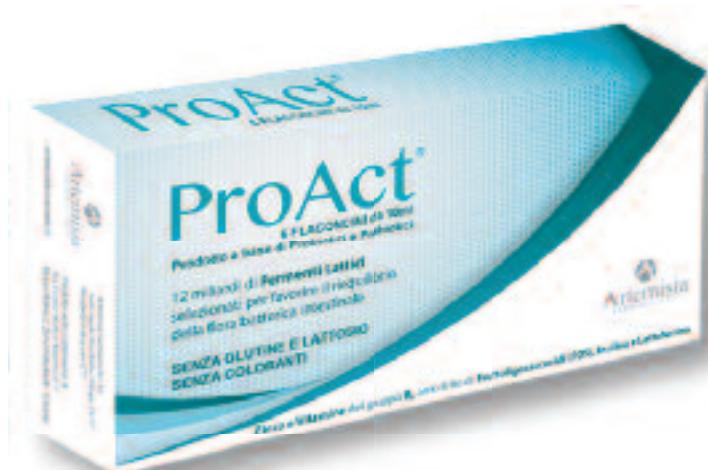
Has all the requirements required by the MIN guidelines. SAL. 2005



EFSA recognizes those indications (Claims) to those preparations in where the minimum quantities sufficient to obtain a temporary colonization of the intestine from a lactic ferment stump is almost 10⁹ (1 billion) living cells per stumps daily.

INTAKE OF NUTRITIONAL COMPONENTS	CONTENT PER 100 GRAMS	FOR MAXIMUM DAILY DOSE (1 VIAL)	%VNR
<i>Lactobacillus A.</i>	400mg	40mg	4 MLD
<i>Bifidobacterium B.</i>	400mg	40mg	2 MLD
<i>Lactobacillus D.</i>	400mg	40mg	2 MLD
<i>Lactobacillus C.</i>	200mg	20mg	2 MLD
<i>Lactobacillus R.</i>	100mg	10mg	2 MLD
corresponding to 12 billion (U.C.F.) of live cells			
Fructooligosaccharides	10g	1g	
Inulin	1g	100mg	
vitamin B1	14mg	1,4mg	
vitamin B2	16mg	1,6mg	
vitamin B6	20mg	2mg	
vitamin B12	10mcg	1mcg	
lactoferrin	300mg	30mg	
bisglycinate zinc of which zinc	100mg 20mg	10mg 2mg	

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Main action mechanisms

protects the intestinal mucosa from infections

positively modulates the immune system

inhibits the adhesion and growth of pathogenic bacteria
(due to intestinal wall infections)

balances and restores intestinal microflora

women of childbearing age

- ✓ prevention of dysmicrobiota of the female genitourinary tract
- ✓ adjuvant in treatment for dysuria and cystitis
- ✓ vaginitis, vaginosis and urinary tract infections

adults and boys

- ✓ in diarrhea:
 - of the traveler (prevention)
 - from antibiotics (1 subject in 5)
 - acute from gastroenteritis
- ✓ inflammatory diseases chronic intestinal (Crohn disease and ulcerative colitis).
- ✓ irritable bowel (reduction of pain and abdominal swelling).

infants and children

- ✓ intestinal dysbiosis (repeated antibiotic therapies, gaseous colic of the infant).
- ✓ restore intestinal flora after acute and chronic gastroenteritis.

Senior

- ✓ adjuvant of the disorders of the alvo
 - constipation
 - diverticulosis
 - colitis

12 billion

Lactobacillus A. , Lactobacillus C. , Lactobacillus B. , Lactobacillus R. , 4 selected lyophilized lactic ferment overcome the gastric barrier coming alive and active to the intestine

Bifidobacterium bifidum

- ✓ anti-inflammatory properties
- ✓ promotes the production of folic acid and the B vitamins
- ✓ helps the immune cells to mature so that they can function properly

Fos (fruit-oligosaccharides) - 1g

- ✓ stimulate the proliferation of bifidobacteria and lactobacilli
- ✓ reduce the presence of pathogens
- ✓ inhibit the adhesion of pathogens to the walls of the intestine (protect the functional integrity of the mucosa)

Inulin 100 mg

- ✓ promotes the rebalancing of intestinal flora
- ✓ the density of harmful bacteria decreases
- ✓ the presence of bifidobacteria and lactobacilli greatly increases in the intestinal tract
- ✓ crosses the small intestine without being degraded

Vitamins B1, B2, B6, B12

- ✓ accelerate the growth of healthy intestinal bacteria
- ✓ corrects deficiencies resulting from changes in normal intestinal flora

Lactoferrin 20 mg

- ✓ anti-infective action
- ✓ immunomodulatory action
- ✓ protection of intestinal mucosa
- ✓ glycoprotein that carries iron
- ✓ anti-inflammatory action (reduces systemic and intestinal inflammation during diseases such as intestinal diseases)

Bisglycinate zinc 10 mg

- ✓ antioxidant action
- ✓ protection of cellular components from oxidative damage
- ✓ helps the normal functioning of the immune system

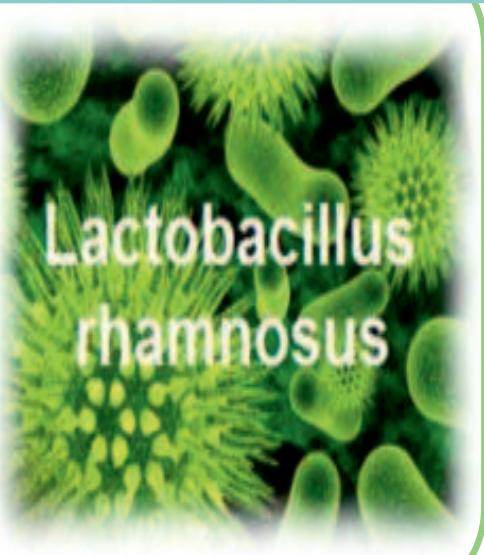
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2 Mld of *Lactobacillus Rhamnosus**

Microaerophilous microorganism, it acts on the last part of the small intestine or in the colon. It produces a soluble protein, the P40 that reduces the inflammatory state and the apoptosis of the intestinal cells creating a barrier effect. It contrasts the intestinal pathogens thanks to a modulation of Cyclooxygenase-2 (COX-2). ProAct with Lc. Rhamnosus 11 possess important preventive/curatives priorities towards the Inflammatory bowel diseases:

- Ulcerative Rectocolitis and Crohn disease.



* Strain registered in the CNCM (Collection Nationale de Culture de Microorganismes) at the Pasteur Institute (France).

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Proton pump inhibitors (PPI) can promote intestinal dysbiosis and related intestinal symptoms.

Lactobacillus Paracasei: new scientific acquisitions

Studio Prof. Nardone: Diseases of the digestive system and of the liver.



Contents lists available at ScienceDirect

Digestive and Liver Disease

journal homepage: www.elsevier.com/locate/dld



Alimentary Tract

Lactobacillus paracasei versus placebo for the prevention of proton pump inhibitor-induced bowel symptoms: A randomized clinical trial



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A B S T R A C T

Background: Proton pump inhibitors may foster intestinal dysbiosis and related bowel symptoms.

Aim: To evaluate the effect of *Lactobacillus paracasei* F19 on bowel symptom onset in patients on long-term proton pump inhibitors.

Methods: In this randomized, double-blind, placebo-controlled study, patients with typical gastroesophageal reflux disease symptoms receiving pantoprazole 40 mg/d for six months were randomly assigned to receive: (A) *Lactobacillus paracasei* F19 bid for three days/week for six months; (B) placebo bid for three days/week for six months; (C) *Lactobacillus paracasei* F19 bid for three days/week for three months and placebo bid for three days/week for the following three months; (D) placebo bid for three days/week for three months and *Lactobacillus paracasei* F19 bid for three days/week for the following three months. Bloating, flatulence, abdominal pain and bowel habit were assessed monthly.

Results: 100/312 patients were enrolled. In the parallel groups, the treatment-by-time interaction affected bloating ($p=0.015$), while *Lactobacillus paracasei* F19 treatment alone affected flatulence ($p=0.011$). Moreover, the treatment-by-time interaction significantly affected the mean score of bloating ($p=0.01$) and flatulence ($p<0.0001$), the mean stool form ($p=0.03$) and mean stool frequency/week ($p=0.016$). Analysis of the cross-over groups, limited to the first three months because of carry-over effect, confirmed these results.

Conclusion: *Lactobacillus paracasei* F19 supplementation prevents bowel symptom onset in patients on long-term proton pump inhibitors.

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Conclusion:

Supplementation with *Lactobacillus Paracasei*, 3 days a week for 3/6 months in patients taking long-term proton pump inhibitors (PPI) prevents intestinal dysbiosis (flatulence, abdominal swelling).



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Qualitative composition:

each 10 ml ProAct vial contains:

Vial Ingredients:

Water, fructose, fructooligosaccharides, inulin (from Cichorium Intybus L. radix), acidifier: citric acid.

Preservatives: potassium sorbate, sodium benzoate, raspberry flavoring.

Tank cap ingredients:

Lactobacillus Acidophilus LA02 (100 MLD/g), Bifidobacterium Bifidum BB01 (50 MLD/g), Lactobacillus Delbruekil sub. Bulgaricus LB64 (50 MLD/g), lactoferrin, Lactobacillus Casel LC03 15 (100 MLD/g), Lactobacillus Rhamnosus Lr-32 (200 MLD/g), bisglycinate zinc, vitamin B6 (pyridoxine hydrochloride), vitamin B2 (riboflavin), vitamin B1 (thiamine), vitamin B12 (cobalamin).

Technological Adjuvants:

silica dioxide, polivinilphloridone.

Form of administration:

oral vials with measuring cap.

Indications:

ProAct is a product based on Probiotics, Prebiotics, VITAMINS OF B GROUP, ZINC and lactoferrin used for the balance of intestinal bacterial flora.

Property attributed by the international bibliography to the nutrients contained:

the intestinal bacterial flora constitutes a real defensive barrier against harmful bacteria. Its balance can be damaged by intestinal infections, eating disorders, stress and use of antibiotics. This imbalance manifests with diarrhea and abdominal pain, in all these cases the use of probiotics and prebiotics favors the physiological balance of the intestinal flora, so as to allow the restoration of normal intestinal activity.

Probiotics: ProAct consists of 5 different strains of lactic ferments, probiotics, which Lactobacillus Acidophilus LA02, Bifidobacterium Bifidum BB01 Lactobacillus Delbrueki sub. Bulgaricus LB64, Lactobacillus Casal LC03 15 (Lactobacillus Rhamnosus Lr-32) preserved in the state of powder freeze-dried in an amount of 12 billion live cells.

Prebiotics: the POS once hired reach almost unchanged the blind and the colon, where they selectively stimulate the growth and the metabolic activity of the beneficial strains, like the bifidobacteria Infantis, adolescentis and longum.

These probiotic bacteria use FOS sugars to grow and reproduce, producing short chain organic acids (acetic acid, lactic acid and formic acid) that inhibit the growth of pathogenic bacteria.

Inulin promotes the rebalancing of intestinal flora. Density of harmful bacteria decreases. The presence of bifidobacteria and lactobacilli greatly increases in the intestinal tract. It passes through the small intestine without being degraded.

Vitamins of the B group: B1, B12, B6, B2 accelerate the growth of healthy intestinal bacteria by correcting deficiencies resulting from changes in normal intestinal flora.

Bisglycinate zinc: with antioxidant action, protects cellular components from oxidative damage. Helps the normal functioning of the immune system.

Lactoferrin: with anti-infective action, immunomodulatory action, anti-inflammatory action (reduces systemic and intestinal inflammation during diseases such as diseases of the intestine). Protection of intestinal mucosa Glycoprotein that carries iron.

Side effects:

no side effects.

Special precautions for use:

None.

Use during pregnancy:

there are no contraindications.

Warnings: keep out of reach of children under three years.

Do not exceed the recommended daily dose.

The supplements are not intended as a substitute for a varied diet but should be used in the context of a healthy and balanced lifestyle.

Recommendations for use: for a better use of the product it is recommended to take 1 vial a day preferably away from meals.

Content: 6 vials of 10 ml.

Net weight: 60g.

Keep in a cool and dry place, protected from light and away from sources of heat.

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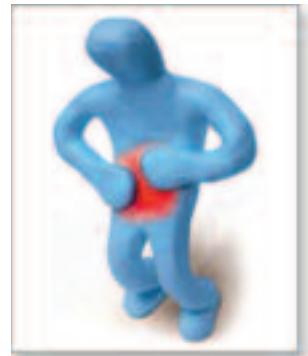
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Indicated for:

- Traveller's diarrhoea or induced from antibiotics and other medications, *Rotavirus etc.*
- Infectious gastroenteritis and infantile Enterocolitis.
- Bad absorption and food allergies.
- Irritable Bowel Syndrome.
- Short Bowel Syndrome.
- Ulcerative colitis and Crohn disease
- Helicobacter Pylori Infection, Clostridium Difficile
- Frequent Cystitis and Vaginal Candidiasis



Materiale informativo per uso interno

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Pharmase