

Lactobacillus rhamnosus GG (ATCC 53103),
Dill oil and Fennel Oil Drops

Griperest™



Composition:

Each serving 0.25 ml contains:	
<i>Lactobacillus rhamnosus</i> (<i>Lactobacillus rhamnosus</i>)GG (ATCC 53103)	
(Microbac®)	NLT 1 X 10 ⁹ CFU
Dill oil	0.008 ml
Fennel oil	0.00112 ml

Ingredients: Vehicle (Corn oil), *Lactobacillus rhamnosus* (*Lactobacillus rhamnosus*) GG (ATCC 53103), Anti-caking agent (INS 551), Dill oil, Fennel oil.

Nutritional information (Approximate values):

Per serving 0.25 ml contains: No. of servings: 16		%RDA per serving
Energy	2.2356 Kcal	#
Protein	0.0000 g	0.0000
Carbohydrate	0.0000 g	#
Total Sugar	0.0000 g	#
Total Fat	0.2484 g	#
Saturated Fat	0.0408 g	#
Trans Fat	0.0000 g	#
Sodium	0.0375 mg	0.0019
Dietary Fiber	0.0000 g	0.0000

- % RDA value not established

% RDA calculated as per ICMR 2020 guidelines for children 4 to 6 years.

Q. What is Griperest™ drops?

Griperest™ drops is a unique product that contains the combination of *Lactobacillus rhamnosus* GG (ATCC 53103), dill and fennel seed oils specifically designed to support gastrointestinal health and functioning in colic pain condition.

***Lactobacillus rhamnosus* GG (ATCC 53103)** is one of the most researched and documented probiotic strain that provides multiple health beneficiary effects in our body. **Griperest™ drops** contains microencapsulated *Lactobacillus rhamnosus* GG (ATCC 53103) manufactured using patented Microbac® technology invented by PROBIOTICAL

S.p.A; Italy that offers protection to probiotic against harsh environment of gastric acid and bile acid and enables probiotics to survive, adhere and colonize in gastrointestinal tract.

Dill oil and fennel seed oil are carminative oils that are scientifically proven to support digestion and helps improve gastrointestinal activity to support a healthy gut functioning.

Q. How does Griperest™ drops act?

Griperest™ drops contains combination of *Lactobacillus rhamnosus GG* (ATCC 53103) along with carminative oils that can help support gastrointestinal health in kids due to following mechanism of actions:

***Lactobacillus rhamnosus GG* (ATCC 53103)**

- Aids to improve intestinal health by competitive exclusion of pathogen binding.
- It produces anti-microbial substances which inhibit pathogens growth.
- It promotes epithelial barrier function by enhancing mucus production and increasing the expression of tight junction proteins which prevents the translocation of pathogens from intestine into the blood.
- It regulates immunity of the host by modulating maturation and function of dendritic cells subsequently increasing the activity of T cells which play important role in immune homeostasis.

Dill oil is a carminative volatile oil that improves appetite, relaxes the smooth muscles of the digestive system to reduce cramping thus relieves abdominal discomfort. It aids in the expulsion of gas and assists in digestion. It has antioxidant activity and could counteract with free radicals.

Fennel seed oil has shown to reduce intestinal spasms and increase motility of the small intestine. It also exerts anti – flatulent, anti-inflammatory, antimicrobial and antioxidant functions.

Q. What are probiotics?

Probiotics are live microorganisms which when administered in adequate amounts provide a health benefit on the host.

Q. What is colic pain?

Colic pain is characterized by recurrent and prolonged periods of crying, fussing, or irritability without obvious cause. It is characterized by episodes of inconsolable crying of your child for more than three hours daily, more than three days per week, for longer than three weeks.

While the exact cause of colic pain is not fully understood, various factors like diet or feed intolerance, immaturity of gastrointestinal system, inflammation of gastrointestinal system, intestinal chemical and/or hormonal alterations, and poor feeding technique can likely to cause abdominal pain observed in colic condition. Various scientific evidence have suggested that abnormality in intestine microflora, also known as gut dysbiosis, is one of the major factor responsible for the development and/or progression of abdominal pain in colic condition.

Q. When to take Griperest™ drops?

Griperest™ drops can be given if your child is having digestive difficulties and abdominal pain, leading to unusual and prolonged crying and irritation (colic pain).

Q. How to take Griperest™ drops?

Griperest™ drops should be given 0.25 ml per day through mouth by the dropper provided with the **Griperest™ drops**.

Q. How long one needs to continue Griperest™ drops?

Griperest™ drops is to be taken as long as directed by health care professional.

Q. What are benefits of Griperest™ drops?

Griperest™ drops contains probiotic along with carminative oils that helps in building a healthy digestive and immune system. *Lactobacillus rhamnosus GG* (ATCC 53103) in **Griperest™ drops** helps develop a proper balance between the good bacteria and the non-beneficial bacteria that is present in the gastrointestinal tract. It helps to increase the number of good bacteria and reduce the number of bad bacteria in the intestinal tract to support natural defence and promote gastrointestinal and overall wellness. Additionally, carminative oils present in **Griperest™ drops** helps in promoting intestinal relaxation and smooth intestinal functioning.

Q. What are side effects of Griperest™ drops?

Generally probiotic containing products are considered as safe for the consumption. Some users may experience minor bloating, gas or intestinal gurgling when first taking **Griperest™ drops**. With continuous use, these symptoms should subside. Consult your physician if these symptoms persist.

Q. What are the precautions to be taken while using Griperest™ drops?

Griperest™ drops should not be used if your kid is allergic/hypersensitive to any of the ingredients present in the product. In individuals with immunocompromised status, caution has to be taken.

Q. Will the probiotic/bacteria in Griperest™ drops harm or cause any type of disease?

Lactobacillus rhamnosus GG (ATCC 53103) present in **Griperest™ drops** is a probiotic (good bacteria) which is clinically proven to support overall kids health and does not cause any harm or disease.

Q. Is this bacteria safe for your child?

Lactobacillus rhamnosus GG (ATCC 53103) have been granted a 'generally recognised as safe' (GRAS) status from the U.S. Food and Drug Administration (USFDA) and 'qualified presumption of safety' (QPS) status from the European Food Safety Authority (EFSA). Its safety has been evaluated in clinical trials.

Q. Can the patient use Griperest™ drops in hepatic/kidney impairment or diarrhoea/vomiting?

Griperest™ drops can be given to kids if they are having signs of abdominal pain, unusual crying and irritation along with diarrhoea or vomiting. While there are no contraindications, the safety of **Griperest™ drops** ingredients in special population (like liver or kidney impairment) is not established. So, it is advised to consult your healthcare physician before starting **Griperest™ drops** if your kid is suffering from renal or hepatic impairment.

Q. What is the significance of microencapsulated *Lactobacillus rhamnosus* GG (ATCC 53103) as compared to other probiotic available in market?

Lactobacillus rhamnosus GG (ATCC 53103) in **Griperest™ drops** has higher gastrointestinal survival rate due to its microencapsulated form compared to uncoated freeze-dried probiotics.

Griperest™ drops contains microencapsulated form of *Lactobacillus rhamnosus* GG (ATCC 53103) developed by Probiotical S.p.A, Italy.

Q. Are there any drug- drug interactions with Griperest™ drops?

While there are no known interactions with medications or dietary supplements, **Griperest™ drops** should not be administered with antibiotic at the same time and gap of 3-4 hours is required between the dose of antibiotic and **Griperest™ drops**. It is recommended that you consult your healthcare professional before starting **Griperest™ drops** along with any medication(s) or supplements.

Q. How to use Griperest™ drops?

Probiotics may have tendency to sediment. Thus, SHAKE VIGOROUSLY BEFORE EVERY USE. Administer 0.25 ml through dropper. After administration, close the bottle tightly with dropper and keep vertical. Do not wash the dropper with water.

SHAKE VIGOROUSLY BEFORE EVERY USE.

Q. How to store Griperest™ drops?

Store below 25°C, protected from moisture and direct sunlight. To maximize shelflife, refrigerate after opening.

Use within 30 days after opening the container.

Directions for use: Administer 0.25 ml OD orally through dropper supplied with this pack.

Packing: 4 ml

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