

Directions for use: Information for users

GIT NanoRuminant® 30ml

Note: All following information is entirely part of the speculative design project. GIT NanoRuminant® does not actually exist. The pills you got as part of the GIT NanoRuminant® sample are filled with soil and pollinator-friendly wildflowers. Please spread them and help our ecosystems to stay alive :)

Read this leaflet carefully before you start taking this medicine. It contains important information.

- Keep the leaflet so that you can refer to it if necessary.
- If you have any further questions, contact your doctor or pharmacist.
- This medicine has been prescribed for you personally. Do not give it to anyone else. It may affect other people differently and harm you even if your symptoms seem similar at first sight.
- If you notice any side effects, contact your doctor or pharmacist. This also applies to side effects not listed in the package leaflet. For more information, see section 4.

Through reading this leaflet you will learn about:

1. What is GIT NanoRuminant® and what is it being used for?
2. What do you need to be aware of before and while using GIT NanoRuminant®?
3. Crossover effects between GIT NanoRuminant® and other medication.
4. How do you use GIT NanoRuminant®?
5. What kind of side effects can occur when taking in GIT NanoRuminant®?
6. How to store GIT NanoRuminant®?
7. Contents and further information

1. What is GIT NanoRuminant® and what is it being used for?

GIT NanoRuminant® is a drug that changes the composition of your organs and their shape through bionanotechnology, based on the advantageous anatomy of ruminants like cattle and sheep. It was developed in direct response to the food scarcity and increase in malnourishment of a climate change scenario amounting to a +4°C increase in global temperature by 2100. The developer of GIT NanoRuminant® takes inspiration from the contemporary state of nanobot based medicine and organ cultivating and introduces it as a potential transhumanist solution to one of the many challenges of an unmitigated climate crisis scenario.

Expected changes through the usage of GIT NanoRuminant® are:

- Reconstruction of the gastrointestinal tract including all organs of the digestive system in order to allow for the consumption of previously indigestible food sources.
- Reconstruction of the stomach into four chambers (rumen, reticulum, omasum and abomasum) to allow for foregut fermentation that breaks down complex carbohydrates such as cellulose.
- Reconstruction of the mouth and throat to optimize swallowing, regurgitating and chewing patterns native to ruminants like cattle and sheep.
- Reconstruction of the teeth to induce continuous growth that prevents teeth from breaking down due to high usage intensity.
- Creation of neurological connections that initiate chewing patterns native to ruminants like cattle and sheep.
- Introduction of bacteria and microbes native and essential to the proper functionality of the digestive system of ruminants like cattle and sheep.

Expected changes in your bodies functions and daily maintenance are:

- Ability to eat and digest previously inaccessible food sources such as grass, stems, leaves, twigs and bark.
- Increased production of saliva as an assisting fluid for digestion and protection of your mouth and stomach chambers pH levels.
- Moderate increase in thirst and water consumption due to increased production of saliva.
- Increase in gastrointestinal greenhouse-gas production such as methane.
- Increase in flatulence.
- Change in amount, shape and consistency of excrements, based on diet. Feedback with your plumber to ensure your building's piping is adjusted to these variances.
- Lesser capacity to digest meat and other animal-based nutritional items.

2. What do you need to be aware of before using GIT NanoRuminant®?

Kids and Teenagers

Due to the gastrointestinal organs still going through development, children and teenagers receive a lower dose of GIT NanoRuminant® spread out over a longer period of time. The specifics of this will be determined in individual consultation with the responsible doctor or pharmacist.

Elders

In the elderly, attention should be paid to possible limitation of gastrointestinal functions. The risk of potential side effects is increased. Discuss the dosage and administration of GIT NanoRuminant® in advance on an individual basis with your doctor or pharmacist.

In case of pregnancy

Do not use GIT NanoRuminant® during pregnancy or breastfeeding. Due to the changes taking place in your gastrointestinal system, nanobots might find their way through the umbilical cord or breastfeeding into the unborn/newborn child's body. Since their gastrointestinal system has not yet fully developed, all therapies containing GIT NanoRuminant® should be avoided as a matter of principle, since they can lead to undesirable and uncontrolled side effects in physical development.

Patients with dental, digestive and gastrointestinal problems

Patients with dental, digestive and gastrointestinal problems should consult the dosage and intake of the drug with their doctor or pharmacist on an individual basis before use and have the condition of their dental and

gastrointestinal health checked. Depending on the specific condition of these regions, the use of GIT NanoRuminant® may be generally discouraged or only a limited recommendation may be made. Do not use GIT NanoRuminant® if your digestive issues specifically stem from issues with your gastrointestinal bacteria and microbes, as effects on these during GIT NanoRuminant® therapy have not yet been fully assessed.

3. Crossover effects between GIT NanoRuminant® and other medication.

Prior to the use of any bionanotechnological therapy, a complete analysis of the affected internal regions should always be performed by the specialist physician or pharmacist in order to exclude potential crossover effects. GIT NanoRuminant® should be used with particular caution if the regions of the body affected by the drug have already been altered by another bionanotechnology or CRISPR Cas9-based gene therapy. While GIT NanoRuminant® does not change the genetic composition of your internal organs, previous treatments in combination with GIT NanoRuminant® might mutually annul each other, not create the desired effect, or introduce an uncontrolled reaction. To prevent these effects, discuss your modification status with your physician or pharmacist before starting GIT NanoRuminant® therapy, and analyze your DNA sequence together in comparison to previously documented cases.

In the scenario that there is no comparison type for your specific composition of transhumanist modifications, the use of GIT NanoRuminant® is not recommended due to the uncertainty of the potential effects, or it should only be used in emergencies after other drug alternatives have been considered.

4. How do you use GIT NanoRuminant®?

Always take this medicine exactly as your doctor or pharmacist has told you. Ask your doctor or pharmacist if you are unsure about the use of the medicine. Dosage should be determined by the doctor individually depending on age, body weight, and the state of your gastrointestinal system.

This package features 10 pills of GIT NanoRuminant®, each containing 200mg of nanobots.

Usage of pills differs between 1 to two pills a week over a period of 10 weeks, depending on your doctor's or pharmacist's individual recommendation.

Do not consume food or drink liquids other than water up to one hour before taking GIT NanoRuminant®. You may drink a glass of water to aid the swallowing of GIT NanoRuminant®.

Do not consume food or drink liquids other than water up to 6 hours after taking GIT NanoRuminant®. To ensure you meet this condition, it is recommended to take the medication before going to bed.

5. What kind of side effects can occur when taking in GIT NanoRuminant®?

Like all medicines, this medicine can cause side effects, although not everybody gets them.

Common: may affect up to 1 in 10 people treated.

- Strong appetite for grass and weeds
- Intense increase in salvia production
- Increased hair growth
- Slight stomach-aches at the beginning of nano-therapy
- Development of disgust when faced with meat-based food items.

Occasional: may affect up to 1 in 100 people treated

- Deepening of the voice pitch
- Gastrointestinal distress
- Development of flat feet
- Constipation of the anal tract at the beginning of nano-therapy
- Increase in potency
- Moderate stomach-aches at the beginning of gene therapy

Rare: may affect up to 1 in 1000 treated individuals

- Development of stubborn personality
- Disturbances in electrolyte balance at the beginning of nano-therapy
- Fatigue
- Change in taste of conventional foods
- Strong flatulence

Very rare: may affect up to 1 in 10000 treated individuals

- Development of codependence on other GIT NanoRuminant® user's decisions.
- Development of sexual interest in ruminants
- Severe stomach-aches at the beginning and intermediate stages of nano-therapy
- Tufting of fur on the back, chest, and chin.

Not known to occur:

- Reduction in the size of heart, kidneys and liver
- Reduction in the size of the stomach
- Visual disturbances
- Growth disturbances
- Thrombosis
- Acidification of the blood
- Muscle weakness

6. How to store GIT NanoRuminant®?

Keep this medicine out of the reach of children.
Do not use this medicine after the expiry date which is stated on the carton. The expiry date refers to the last day of the month indicated.
Store GIT NanoRuminant® in a cool, dry place.

7. Contents and further information

10 pills of GIT NanoRuminant®, containing 200mg of nanomedical robots.
1 leaflet

Produced by:
ANTHROTRANS Pharma Ltd.
London
SE1 6SB, United Kingdom

A speculative design project by:

Lucille Hein
IG: luciethough

MA Design for Social Innovation and Sustainable Futures
2020/2021
University of the Arts London | London College of Communication