

## Directions for use: Information for users

# Ventalgan® Forte 30ml

**Note: All following information is entirely part of the speculative design project. Ventalgan® Forte does not actually exist. The liquid within the vial you got as part of the Ventalgan® Forte sample is water with green food colour, you may drink it if you want :)**

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

### 1. What is Ventalgan® Forte and what is it being used for?

*Ventalgan® Forte is a microalgae-based mouthwash that has been genetically modified through CRISPR Cas9 agents. It was developed in direct response to the low oxygen levels of a climate change scenario amounting to a +4°C increase in global temperature by 2100. The developer of Ventalgan® Forte takes inspiration from the contemporary state of CRISPR Cas9 based gene editing and biohacking 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 Ventalgan® Forte are:

- Develop green microalgae culture coating your mouths walls.
- As part of the epibiont algae family, Ventalgan® Forte will form a symbiotic bond with you. It will not cause any damage or harm to your mouth nor overall health.
- Ventalgan® Forte will provide you with additional oxygen mouth. You will notice a positive impact on your energy levels within 12 hours after using Ventalgan® Forte.
- The microalgae culture might cause food and drinks that you consume to taste slightly fishy.
- The drug has an aiding effect on your dental hygiene through dissolving food leftovers and using their nutrients to sustain its culture.
- The microalgae culture of Ventalgan® Forte has the potential to self-replicate, however more often than not a top-up of your initial dose is required every three months.

What you need to do in order to keep Ventalgan® Forte functional:

- Ventalgan® Forte contains a small microalgae culture. In order to grow and nurture it without danger of overgrowing, eat, drink and clean as per normal.
- Ensure proper dental hydration in order to keep the microalgae culture alive.

- Ventalgan® Forte is equipped with a protective topcoat that prevents your saliva from cleaning it out and digesting it. The basecoat dissolves when in contact with acidic food and liquids and florid based toothpaste. Keep your consumption and usage of these to a minimum in order to keep Ventalgan® Forte alive.
- Ventalgan® Forte has been modified to perform photosynthesis with body heat instead of light. It might be significantly less effective or be entirely inactive during the winter months.
- Drinking cold liquids will reduce the effectiveness of Ventalgan® Forte.

### 2. What do you need to be aware of before using Ventalgan® Forte?

#### Kids and Teenagers

Due to the size of their mouth and internal organs, children and teenagers receive a lower dose of Ventalgan® Forte, determined in individual consultation with the responsible doctor or pharmacist.

#### In case of pregnancy

Be mindful when using Ventalgan® Forte during pregnancy or breastfeeding. While ensuring proper oxygen levels, Ventalgan® Forte has been reported to extract nutritional elements from food that are vital for the proper development of the fetus and newborn. Discuss in individual consultation with the responsible doctor or pharmacist before using the medication.

#### Patients with dental problems

Patients with dental 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 health checked. Depending on the specific condition of your dental region, the use of Ventalgan® Forte may be generally discouraged or only a limited recommendation may be made. Do not use Ventalgan® Forte if you have cavities as the microalgae might grow into your teeth and damage them.

### 3. Crossover effects between Ventalgan® Forte and other medication

Prior to the use of any CRISPR Cas9 based gene therapy, a complete gene analysis should always be performed by the specialist physician or pharmacist in order to exclude potential crossover effects. While Ventalgan® Forte itself does not possess active CRISPR Cas9 agents, crossover effects between the modified microalgae and CRISPR Cas9

agents from other genome-based drugs. Ventalgan® Forte should be used with particular caution if the regions of the body affected by the drug have already been altered by another CRISPR Cas9-based gene therapy. If this is the case, both gene therapies can either mutually annul each other, no desired effect occurs, or an uncontrolled reaction occurs. To prevent these effects, discuss your modification status with your physician or pharmacist before starting Ventalgan® Forte gene 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 genetic modification composition, the use of Ventalgan® Forte is not recommended due to the uncertainty of the potential sequelae, or it should only be used in emergencies after other drug alternatives have been considered.

#### 4. How do you use Ventalgan® Forte?

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, the inner surface area of the mouth and genetic composition.

Take the container with 30ml Ventalgan® Forte. Open the cap, remove the foil cover and put the vial in your mouth. Pour liquid into your mouth. Gargle and wash your mouth for five minutes. DO NOT SWALLOW. Spit the remains of the liquid out, they should be clear by now. Discard the container.

#### 5. What kind of side effects can occur when taking in Ventalgan® Forte?

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

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

- Fishy taste while eating and drinking
- Sticky feeling in the mouth
- Green tint on tongue, teeth and lips
- Algae not bonding to your mouth

**Occasional: may affect up to 1 in 100 people treated**

- Cough
- Sore throat
- Algae die after 48 hours
- Algae influencing mouth PH-level
- Dry feeling in mouth

**Rare: may affect up to 1 in 1000 treated individuals**

- Algae spreading into the throat region
- Algae inducing cavities
- Algae do not produce satisfying oxygen levels
- Algae worsening existing cavities

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

- Algae permanently binding to your mouth
- Allergic reaction to algae
- Transition from Ventalgan® Forte into the genome sequence. In this case, the drug-induced changes might be inheritable.
- Algae partially absorb nutrition from food

**Not known to occur:**

- Algae mutating in your mouth
- Algae spreading to others through kissing and sharing

drinks

- Death
- Heart, liver, kidney problems

#### 6. How to store Ventalgan® Forte?

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 Ventalgan® Forte in a cool, dry place.

#### 7. Contents and further information

- 1 30ml vial of Ventalgan® Forte, containing 10mg of CRISPR Cas9 genetically edited microalgae formula.
- 1 leaflet

Produced by:

ANTHROTRANS Pharma Ltd.  
London  
SE1 6SB, United Kingdom

A speculative design project by:

**Lucille Hein**  
**IG: luciethough**

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University of the Arts London | London College of Communication