



GNUBIOTICS
SCIENCE
ACCELERATING METABOLIC HEALTH

BREAKTHROUGH
SOLUTION TO
**REBALANCE GUT
MICROBIOTA**



A NATURAL SOLUTION FROM



GNUBIOTICS
SCIENTIFICS

- **GNUbiotics** has developed a unique compound that reproduces the natural diversity of complex carbohydrates found in mothers' milk.
- These unique structures are beneficial in establishing commensal microbiota during early months of life to prevent infections and the onset of diet-induced obesity.
- **GNUbiotics compounds selectively feed gut microbiota to help reduce gut inflammation and control stored fats.**

[Watch our video](#)



Disclaimer : This information has not been evaluated by the Food and Drug Administration





NATURALLY RESTORING GUT MICROBIOTA

WHY IT'S IMPORTANT?



SYMBIOSIS

- + Immunity
- + Vitamins & Minerals absorption
- + Nutrients Metabolism

DYSBIOSIS

- Gut Inflammation
- Obesity
- Infections

WHY IS THE GNUBIOTICS COMPOUND UNIQUE ?

- Proven in vitro and in vivo **efficacy** for microbiota modulation.
- **Most diverse product available** with 130+ discovered structures; the more diverse, the more proven efficiency.
- **100% natural source** : non-GMO and no enzymatic processes.

HOW IT WORKS : [Watch our video](#)

When ingested, Gnubiotics' compound travels intact through the stomach to the gut. Once there, its unique diversity balances the microbiota by selectively feeding the good bugs and starving the bad bugs. This could reinforce the immune defences, reduce gut inflammation, and transform stored fats for elimination.

The GNUbiotics compounds have demonstrated clear in vivo efficacy in 3 disease states.

- A. Restoration of gut health, post-antibiotic treatment.
- B. Prevention of onset of *Clostridium difficile* infections.

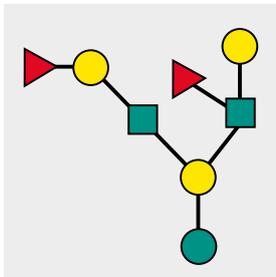


HELPS PREVENT DIGESTIVE DISORDERS AND CONTROL OF WEIGHT GAIN

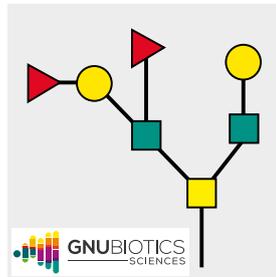
- Influencing the gastrointestinal microbiome to restore gut equilibrium and health through natural compounds is increasingly viewed as the **most sustainable treatment for digestive disorders.**



- **Microbiota Accessible Carbohydrates (MACs)** are complex carbohydrates that are resistant to digestion by a host's metabolism, and they are made available for gut microbes, as an energy source to rebalance the microbiota and produce measurable clinical effects. Mothers' milk is the main source of MACs called **Human milk Oligosaccharides (HMOs).**
- GNUbiotics' proprietary Multiplex Sequencing Tool is able to take higher resolution snapshots and produce a picture of the motion and changing diversity within the microbiome to measure the efficacy of our products.



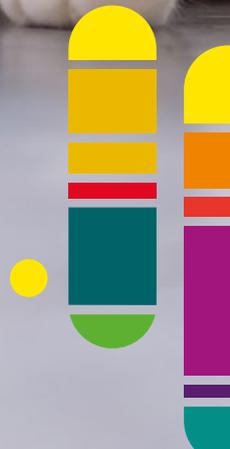
Human Milk Oligosaccharides (HMO)



GNU100, Microbiota Accessible Carbohydrates

- ▶ Fucose
- Galactose
- N-acetylgalactosamine
- Mannose
- N-acetylgalactosamine





Low price and convenience has driven the growth of grain based dry food which has negatively affected pets' health, (1/3 of vet visits are for digestive issues). "This will damage a brands image and reputation over time."

GNUBIOTICS' FIRST COMPOUND WILL HELP REBALANCE PETS' MICROBIOTA TO IMPROVE GUT HEALTH

5 KEY TRENDS DRIVING THE PETCARE MARKET

- **Rising Pet population:**
Pet ownership continues to grow in popularity across both developed and emerging markets.
- **Humanisation of Pets:**
Pets are treated as family members and appear to address a psychological need in many people as society becomes more urbanised.
- **Consumers prepared to pay more:**
Value sales of premium dog and cat food continue to out perform mainstream market.
- **Narrowing gap between pet and human food:**
Consumers are willing to pay a significant premium for products classified as "human grade."
- **Obese Pets:**
Weight control is a growing problem with 53% of dogs and 51% cats classified as obese.

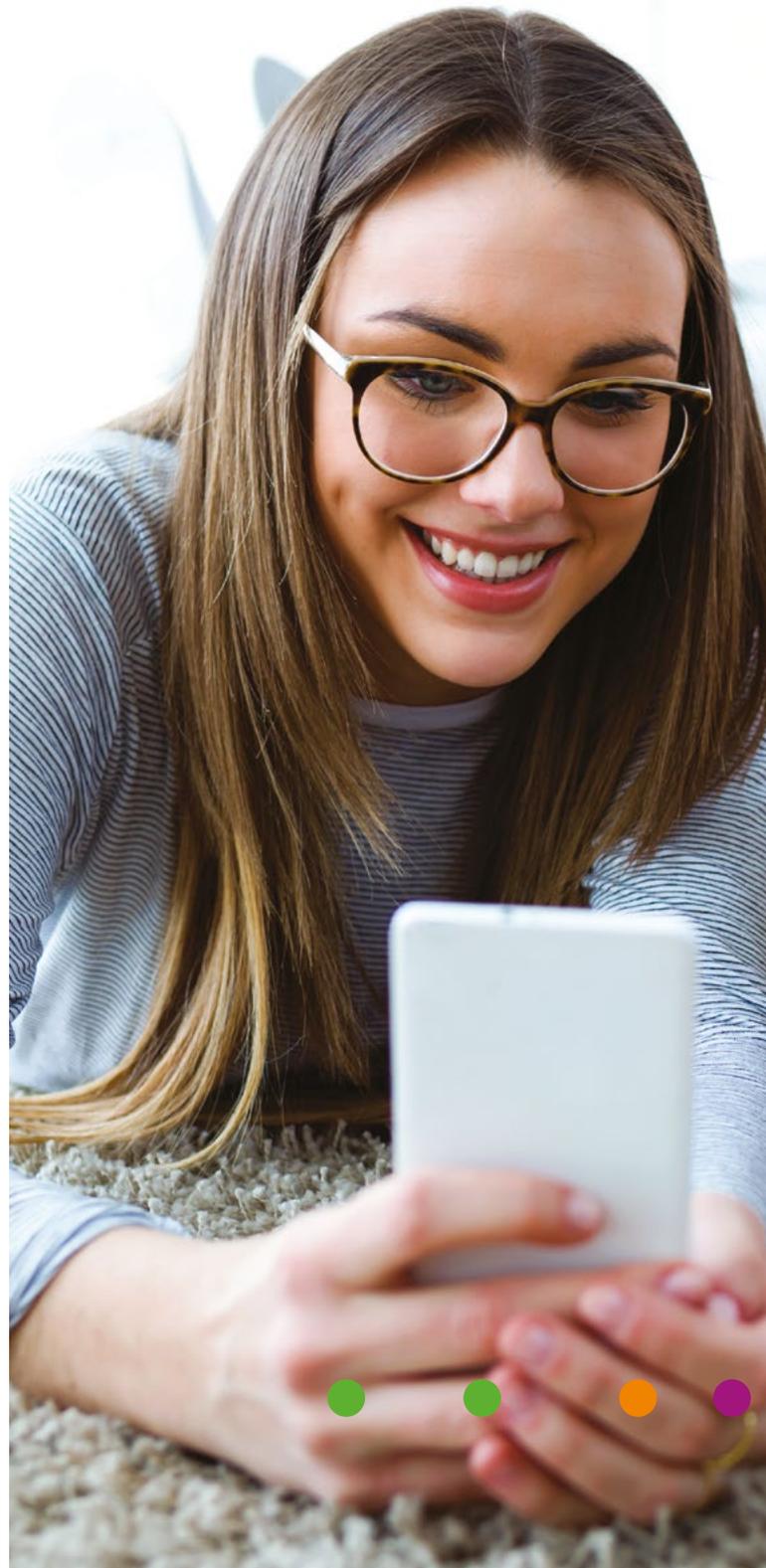


Gnubiotics Sciences is a biotech founded in Switzerland to develop **A PLATFORM** to commercialise microbiome modulating products for the functional and medical nutrition markets.

“GUT NATURALLY UNDERSTOOD” (GNU) became our “raison-d’être” with the goal to accelerate metabolic health in animals and humans.

GNUBIOTICS SCIENCES IS READY TO TALK ABOUT HOW OUR COMPOUND CAN BENEFIT your product and business, and, more significantly, how it can help improve the health and wellbeing of your consumers and their pets.

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PUBLICATIONS:

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Glucose based oligosaccharides digestibility and microbial populations in dogs - Abbott study 2000



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