

invivo®

# Get Curious.

Explore your microbial  
self & health with a GI  
EcologiX™ test.

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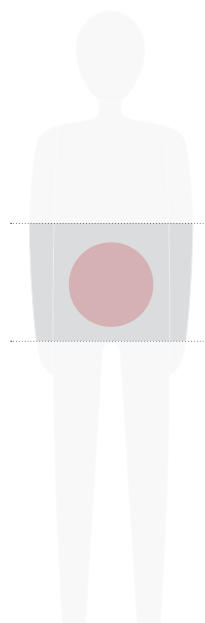
01.  
What is the  
Gastrointestinal  
Microbiome?



Your gastrointestinal (GI) microbiome is an internal ecosystem of diverse microorganisms consisting of differing types of bacteria, viruses and fungi. Your microbiome is so crucial to your overall health that it is now considered in science as another organ inside your body.

Billions of microorganisms colonise the gastrointestinal tract, which extends from the stomach to the rectum. The presence and activity of these microorganisms is fundamental for health.

02.  
Functions of the GI  
Microbiome



- Production of energy metabolites, vitamins and neurotransmitters in the defence against pathogen colonisation.
- Digestion of fibres
- Development of the immune system

90% of  
disease  
can be  
linked to  
gut health



03.  
Why test your GI  
Microbiome?

**Assessing your microbial ecosystem can provide clarity on how your microbes are impacting your health.**

Your microbiome is an organ unto itself, it plays a crucial role in human health and disease. Understanding the patterns of your own internal microbial ecosystem can give clarity on how your microbes are impacting your health.


The GI EcologiX is a comprehensive stool test that can help to assess this microbial ecosystem, to see what patterns are emerging, and therefore then help you and your healthcare provider to consider concise choices, such as lifestyle and nutrition changes, that can best support your well-being.

⊕ 04.

## How microbes tell a story of health and/or disease

Microbes live in communities, and like all communities – some can flourish while others can create chaos. We rely on our microbial communities for many gate keeping functions in the body, and, if these communities change, the protection offered by these microbes may diminish, as well as an environment in which disease can flourish.

When interpreting GI EcologiX microbiome results, we are looking for changes in patterns of growth in the microbes, which can tell us if the community is a helpful one, or more a potentially damaging one. Your healthcare provider can then read these patterns with the context of what you are presenting with – such as symptoms and lifestyle and dietary choices, to put together the picture of how the microbiome is playing a role in health or disease.

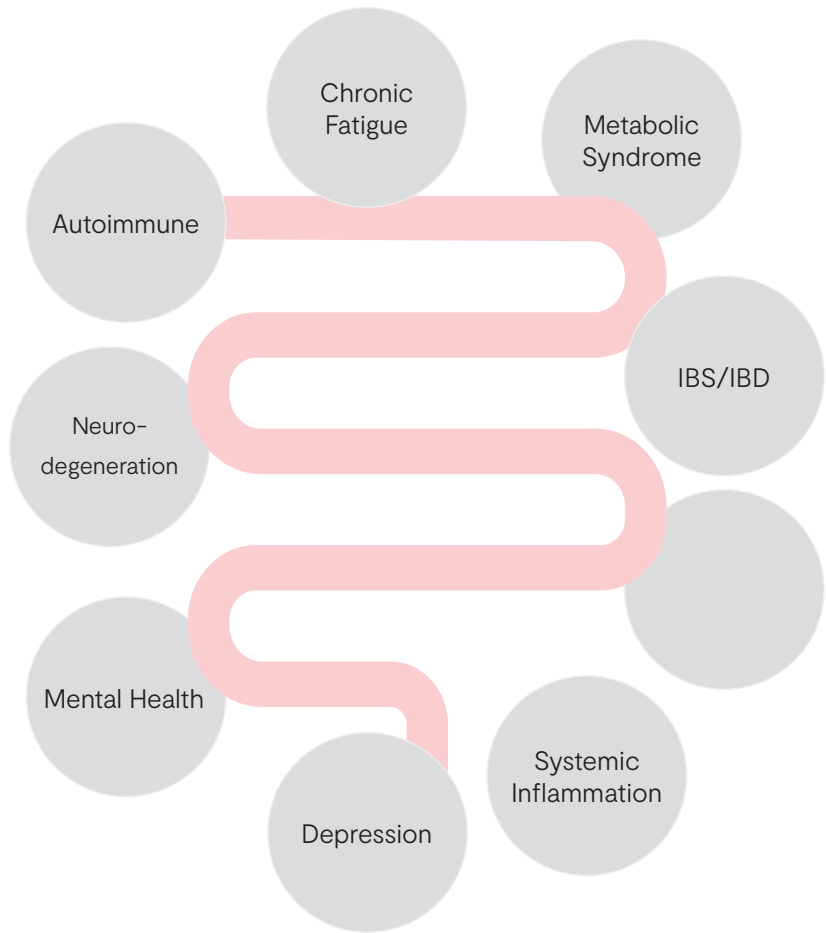


You have  
more **microbes**  
in your **gut**

than there are  
**people** in the  
**world.**

⊕ 05.  
**Dysbiosis &  
The GI Microbiome**

Dysbiosis in the GI Microbiome has been associated with several diseases.



dysbiosis  
*/ˌdɪsbɪˈɒʊsɪs/*

An imbalance between the types of organisms present in a person's natural microflora, especially that of the gut, thought to contribute to a range of conditions of ill health.

06.

## Host health markers

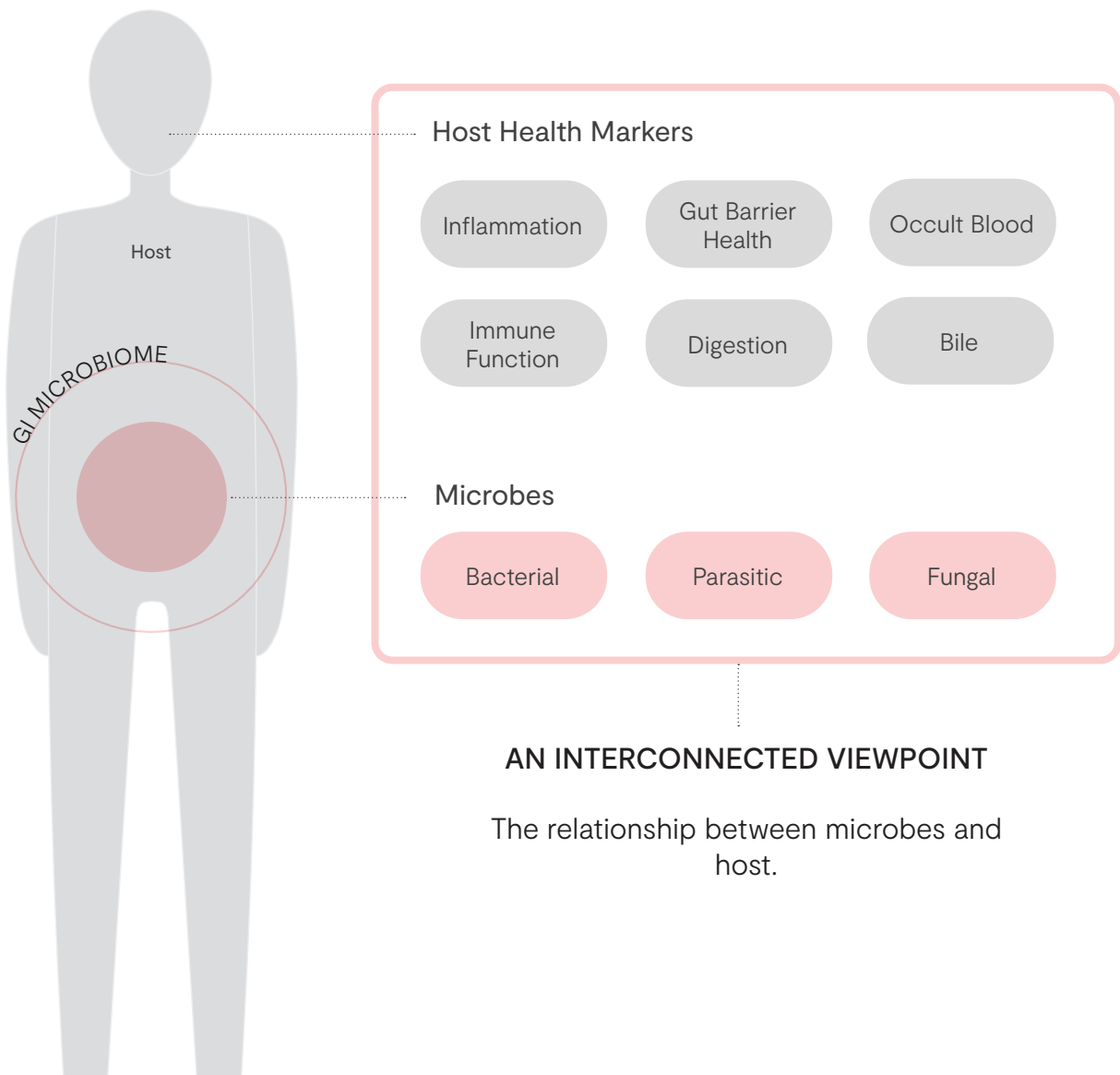
Our microbiome consists of both the microbes and the environment in which they live.


That environment is us, the human host.

When viewing microbial patterns it is important that we also take into consideration the relationship between microbes and host.

To view this relationship, in the GI EcologiX, we also test for markers produced by you.

Covering markers related to digestive capacity, inflammation, immune function, and safety markers, such as Calprotectin and FIT (occult blood). These safety markers assist your healthcare provider with information that may indicate the need for further investigation.





# Your microbiome is as unique as you are.

## ⊕ 07.

### Private stool testing vs GP stool testing

All the markers in the GI EcologiX have been critically selected in relation to the research on the role that the microbiome can play in chronic disease processes and in supporting wellness.

Your NHS or private GP may also have used stool testing with you at some point in your health journey. Those types of stool tests are focused more on acute situations e.g. to assess instances like acute food poisoning pathogens, or sometimes they may be looking for cancer or inflammation markers. Acute stool tests offered through GP's do not look for markers associated with chronic disease or overall health, such as commensal bacteria, digestive or immune markers.

The GI EcologiX has been designed to work alongside the acute tests you may have accessed already from your NHS GP. We do not look to replace your primary care tests, but to enhance your experience, and give you tools to empower you to make clearer, more informed choices around your health.



⊕ 08.

## Testing with a qualified healthcare provider

The human microbiome is complex. Science is constantly adding to our understanding of the role that microbes play in health and disease. We believe in the value this information offers in guiding an informed health care journey.

We understand that all this information can be overwhelming and potentially unactionable without a guide to help navigate and personalise to you. This is why our GI EcologiX is only available through Invivo registered healthcare providers.

Your healthcare provider will be your microbiome guide. They are able to interpret and guide you through your results alongside your full health history, and give you help and advice on how best to modify your nutrition, lifestyle and other factors to assist in improving your microbiome and your health.

### Testing with a Microbiome Guide


- 1 Microbiome Test results
- 2 Interpretation by your Healthcare Provider with context
  - e.g.
  - Medical History
  - Symptoms
  - Lifestyle
  - Diet
- 3 Personalised & targeted interventions

### Testing without a Microbiome Guide

- 1 Microbiome Test results
- 2 AI-Driven Interpretation lacking any context.
- 3 Automated action plan

⊕ 09.

## GI Ecologix™ test indications

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- IBS/IBD
  - Digestive complaints, such as bloating
  - Neurodegeneration & neurodevelopmental conditions
  - Depression & 'foggy brain'
  - Chronic fatigue/fibromyalgia
  - Chronic disease
  - Autoimmune conditions
  -

⊕ 10.

## Getting your results

Ensuring the safety of sensitive medical information is important to us.

We provide a separate encrypted and secure portal for accessing diagnostic results, which your healthcare provider has access to.

From here they can provide you with a copy when they run through the interpretation of the results. Our laboratory runs on a 15 working day turnaround time from receipt of your sample to delivering the results to your healthcare provider.

+ 11.

## Our commitment to the environment

We see 'mother' nature as a stakeholder, it has a seat at our table. When the environment closes its business, so too will we be forced to close ours.

As a healthcare company, we cannot ignore this inconvenient truth. We are driven to lower our environmental and social impact as much as we can while running a thriving company.

In 2018 we became B Corp certified, solidifying our social and environmental commitment and enabling us to use our business as a force for good and in 2020 we proudly led the way in becoming the world's first B Corp diagnostics laboratory.

We are a certified carbon neutral company and have since pledged to become net-zero by 2030. We are also certified as an Organic Processor with the Soil Association.

In these ways, we are disrupting the status quo in the healthcare industry, but with a transparent approach. We hope others will follow our journey.

Certified



Carbon  
Neutral



NET ZERO 2030

+ 12.

## GI EcologiX certified with CQC

Our microbiome lab is Care Quality Commission (CQC) registered for both our diagnostic and screening services.

CQC is the independent regulator of healthcare and adult social care services in England. Their rigorous assessments ensure our service meets government standards of quality and safety.

Our CQC regulation sees us join the NHS and private hospitals, GP's and laboratories, who are all required to obtain CQC regulation.



⊕ 13.

## Frequently asked questions

### How is my sample processed?

Taking a sample is easy. Simply follow the instructions provided within the test kit and return the sample in the post to our laboratory. Upon arrival at our lab, it is swiftly stabilised, we begin to extract the DNA from the sample for the microbial analysis, and process the materials within the other collection devices for measuring your host markers.

### What is the methodology you use?

We use quantitative real-time polymerase chain reaction (qPCR), using TaqMan technology, to analyse the bacterial, parasitic and fungal communities. TaqMan offers superb specificity, sensitivity and reproducibility. Additionally, we measure key host markers using a wide array of different chemistries and methodologies. The profiles provide an accurate, reliable and quantifiable measurement of microbiota abundance and the host immune response.

### How do I know my sample is accurate?

As a part of our commitment to you we have many internal and external quality assurance checks in place, we also utilise external third-party quality checks, whilst maintaining our CQC certification.

⊕ 14.

## Spreading the cost of GI EcologiX™

Our mission is to restore human health and ecology, and making that mission affordable and accessible to everyone is one of our most important values. We are pleased to announce that we offer PayPal Pay in 3 when ordering via our website.

This is an interest-free payment option, allowing you to break the cost of any of our products over 3 monthly payments. An excellent option if you would like to spread the cost of a GI EcologiX test over 3 months instead of one lump sum.



## Our EcologiX™ Range



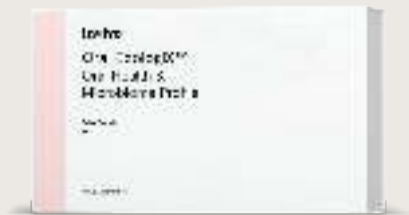
### GI EcologiX™

The ultimate gut health and microbiome stool test, providing a comprehensive analysis of the GI ecosystem & chronic disease-related biomarkers.



### Vaginal EcologiX™

An innovative clinical tool for assessment of the vaginal microbiome (bacteria and yeast) with two host markers. The vaginal microbiome is a key ecosystem for female health and reproductive optimisation.



### Oral EcologiX™

A ground-breaking clinical tool for assessment of the oral microbiome – a key ecosystem in the gut-brain connection for cardiovascular and female reproductive health and more.

## Our Therapeutics Range

We launched Invivo Therapeutics as a range of products designed with human ecology in mind, in 2018.

All our products are united in their aim to optimise, modulate and restore host-microbiome homeostasis. This, we believe, is crucial for human health.

We test all our finished products for gluten, casein, lactose, and heavy metals to ensure we always have the best quality products available.

