Microbiome Explorer **Essentials**

The essential test that delivers insights about the microbiome's impact on systemic health.

What is the Test

A clinical-grade microbiome test which provides an assessment of the essential microbiome biomarkers and reports on key insights for microbiome health.

When to Refer

- Gastrointestinal symptoms – constipation, bloating, gas, diarrhoea, abdominal pain
- Digestive function
- Gut inflammation
- Intestinal permeability

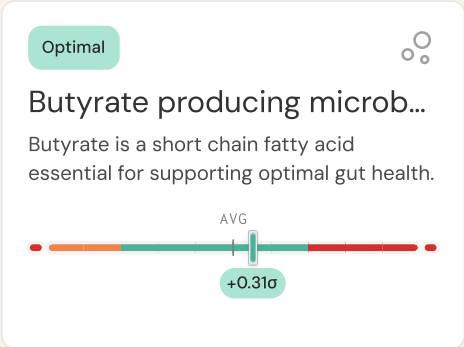
What's Included

1 essential panel

- Reports on 16 scientifically validated biomarkers
- Identify which species are present, their relative abundance and how this compares to a healthy cohort
- Understand the functions these species can perform within the microbiome.

Technology Used

- Metagenomic next-generation sequencing (mNGS)



MICROBIOME PROFILE

16 Microbiome Markers

Uncover how the microbiome impacts overall health using metagenomic mNGS technology.

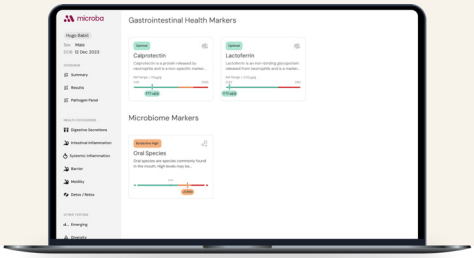
- Acetate producing microbes
- *B.fragilis* toxin producing microbes
- Branched-chain amino acids (BCAA) producing microbes
- Beta-glucuronidase producing microbes
- Butyrate producing microbes
- Hexa-acylated lipopolysaccharide (hexa-LPS) producing microbes
- Hydrogen sulphide producing microbes
- 3-indolepropionic acid (IPA) producing microbes
- Methane producing archaea
- Microbial diversity
- Microbial richness
- Mucin consuming microbes
- Oral species
- Oxalate consuming microbes
- Propionate producing microbes
- Trimethylamine (TMA) producing microbes

Technical Specifications

Sample type	At home stool collection kit
Technology	Metagenomic mNGS
Panels included	Microbiome Markers
Turnaround time	14-28 days
Laboratory accreditation	Gold standard ISO15189
Evidence	1500+ peer reviewed studies to validate biomarkers, insights and expert summaries
Species	Sort by species, genus, and phylum
High resolution microbe detection	Assesses microbial and metabolic capacity from all bacteria, archaea, fungi, protist and oral microbes detected in a sample

Expert Summary

A summary of key findings and recommendations combining results from multiple test panels and markers - written by a team of microbiome specialists.



Evidence-Graded Actionable Insights

Microba ClearCare Insights provides:

- 32+ diet insights
- 20+ prebiotic and probiotic insights
- 15+ supplementation insights
- 3+ lifestyle insights

All graded by scientific evidence. Personalised to patient results.

6 Health Categories

Groups biomarkers into key health domains to guide relevant care.

- Intestinal Motility
- Intestinal Inflammation
- Intestinal Barrier
- Systemic Inflammation
- Detox/Retox
- Digestive Secretions

Interactive Species Explorer

Search and explore comprehensive data on all health and disease associated microbial species from a sample including species within the following genus:

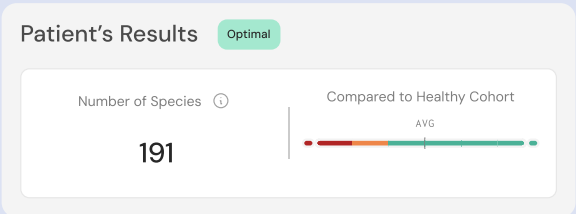
Agathobacter
Akkermansia
Bifidobacterium
Bilophila
Citrobacter
Desulfovibrio
Eggerthella
Enterobacter
Escherichia
Faecalibacterium
Klebsiella
Lactobacillus
Oxalobacter
Porphyromonas
Prevotella
Rosburia
Ruminococcus
Streptococcus
plus more

Available to download as a CSV file

Assess Microbial Diversity

Microbial Diversity
Understand how diverse your patient's gut microbiome is using the Shannon Diversity Index.

Microbial Richness
Get a count of all microbial species identified in a patient's sample.



7 Emerging Markers

Explore emerging biomarkers that have historically been of clinical interest including:

- Ammonia (urease) producing microbes
- GABA consuming microbes
- GABA producing microbes
- Histamine producing microbes
- Human DNA
- Lactate producing microbes
- Vitamin K producing microbes

Microba Healthy Reference Model

Each microbiome biomarker includes a comparison to a healthy reference range - making interpretation easy.

Start Referring with Microba

Join the Microba practitioner network and start referring patients to the Microba Microbiome Explorer Range.

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