



MICROBIOMIX METAGENOMIC MAPPING - Test Code 2212



Turnaround Time: 10-12 business days



Specimen Type: Stool Kit

Description

The Microbiomix Metagenomic Mapping test uses advanced metagenomic sequencing, particularly shotgun sequencing, to examine the DNA of entire microbial communities in a stool sample. This "shotgun" approach involves random, unbiased sequencing of all DNA present identifying bacteria, viruses, fungi, and other microorganisms (Shi et al., 2022). Unlike traditional methods that target specific genes or organisms, this comprehensive approach enables the detection of a wider range of microbial species, with over 28,000 species analysed. One of the primary benefits of this test is its ability to uncover previously unknown or unculturable microorganisms, offering a thorough look at microbial diversity, including rare or elusive species that might otherwise go undetected (Shi et al., 2022).

With just a stool sample, the Microbiomix Metagenomic Mapping test not only identifies microbial species but also assesses biochemical markers associated with digestion, inflammation, and intestinal permeability—key indicators of gut health. This in-depth analysis aids in diagnosing and managing gastrointestinal issues, helping to address underlying causes of symptoms related to microbial imbalances (Shi et al., 2022). By providing a detailed overview of the gut microbiome, this test serves as a valuable tool for personalized health insights.

Whats included?

- Metagenomic sequencing (shotgun) identification of 28,000+ microbial species
- Health risk assessments
- Production of microbial markers - butyrate, acetate, propionate, valerate and beta glucuronidase
- Biochemical markers: Calprotectin, Secretory IgA, Zonulin, Transglutaminase IgA, Pancreatic Elastase, Steatocrit and pH

Conditions and Symptoms

- Digestive symptoms
- Flatulence and bloating
- Abdominal pain
- Diarrhoea or Constipation
- Dysbiosis
- Gastrointestinal infections
- Type 2 Diabetes risk
- Inflammatory Bowel Disease risk
- Fatty Liver Disease risk

Complementary Testing

- SIBO Breath Test (Test code 2025)
- IgG 96 General Western Foods (Test code 3206)

Accreditations Include:

- NATA ISO 15189 – Requirements for Quality and Competence in Medical Laboratories*
- CLIA – Clinical Laboratories Improvement Amendments*