

125+

Markers

12

Categories

5

Business Days

PCR / ELISA

Technology

Builds on GI Basic with Short Chain Fatty Acids and GIT Functional Markers for a more complete view of digestive function, gut barrier integrity and inflammation.

What Is The Test?

Understanding the composition of the gut microbiome provides valuable insight into gastrointestinal health, microbial dysbiosis and functional changes that may be relevant to a patient's clinical picture. GI Standard builds on GI Basic, combining PCR with ELISA-based functional markers to paint a fuller picture of a patient's gut microbiome and digestive function.

A practitioner might recommend this test for patients:

- Suspected intestinal inflammation (elevated Calprotectin)
- Intestinal permeability / "leaky gut" concerns (Zonulin)
- Pancreatic insufficiency or malabsorption
- Coeliac / gluten sensitivity screening (a-Transglutaminase IgA)
- Patients wanting a functional + microbial picture in one test

What's Included

Microbiome Profile

Full GI Basic Marker Set

All 110 GI Basic markers, covering key phyla, normal flora, parasites, worms, opportunists and pathogens.

- Key Phyla & Normal Flora
- Parasites, Worms & Autoimmune Triggers
- Opportunistic & Pathogenic Bacteria, Viruses, Fungi

ELISA/CLIA

Based functional markers assessing inflammation, permeability and enzyme output.

- Calprotectin
- Zonulin
- Pancreatic Elastase
- Secretory IgA (sIgA)
- Beta-glucuronidase
- a-Transglutaminase IgA
- Steatocrit
- pH Level

Metabolic Panel

Short Chain Fatty Acids

GC-MS quantification of key bacterial fermentation by-products.

- Butyrate
- Acetate
- Propionate
- Valerate
- SCFA, Beneficial (total)

Technology Used

PCR & qPCR:

Detects microbial DNA to identify parasites, worms, bacteria and fungi.

ELISA:

Antibody-based immunoassay quantifying biomarkers such as secretory IgA and zonulin.

CLIA:

Chemiluminescent immunoassay measuring GIT functional markers with high sensitivity.

FEIA:

Fluorescence enzyme immunoassay quantifying specific gastrointestinal biomarkers.

GC/MS:

Gas chromatography-mass spectrometry quantifying short chain fatty acids.

Macroscopy:

Visual stool exam assessing colour, form, mucous and occult blood.

Technical Specifications

SPECIMEN TYPE: Stool sample

SAMPLE REQUIREMENTS: 1x plain vial (~100mg), 1x Cary-Blair preserved specimen, 1x BD ESwab preserved specimen

SPECIMEN STABILITY: 13 days

TURNAROUND TIME: 5 business days

TECHNOLOGY: PCR & qPCR + ELISA/CLIA + GC-MS + Stool Macroscopy

MARKERS: 125+ markers across 12 GI testing categories

LABORATORY ACCREDITATION: NATA (ISO 15189) & CLIA licensed

DETECTION RATE: 99.99% (PCR technology)

RESULTS ACCESS: NutriPATH Clinician Portal or email

**Order & View
Full Marker List**

This profile screens 125+ markers across 12 GI testing categories, covering everything in GI Basic plus short chain fatty acids and GIT functional markers. **Scan the QR code or visit nutripath.com.au for the full marker list.**