

130+
Markers

14
Categories

5-7
Business Days

PCR / Culture
Technology

NutriPATH's most comprehensive stool profile, adding confirmatory culture and antimicrobial sensitivity testing to GI Standard.

What Is The Test?

Use GI Advanced when you need to pinpoint the specific areas of gut dysfunction behind a patient's presentation. Confirmatory culture and antimicrobial sensitivity data return clear, targeted treatment options, so you can act decisively and fast-track patient wellness.

A practitioner might recommend this test for patients:

- Confirmed or suspected active gut infection requiring treatment guidance
- Antibiotic-resistant or recurrent dysbiosis
- Practitioners wanting natural/herbal antimicrobial sensitivity data
- Complex, treatment-refractory GI presentations
- Complete, unmatched-accuracy gut microbiome analysis

What's Included

Microbiome Profile

Full GI Standard Marker Set

All 125+ GI Standard markers, covering phyla, SCFA, GIT function, parasites, pathogens and flora.

- Key Phyla & Normal Flora
- SCFA & GIT Functional Markers
- Parasites, Worms, Opportunists & Pathogens

Culture Panel

Confirmatory Culture (Dual-Method)

MALDI-TOF culture performed alongside PCR to confirm active bacterial and fungal infections.

- Bacterial culture confirmation
- Yeast/fungal culture confirmation
- Growth rate determination of detected pathogens

Sensitivity Panel

Antimicrobial & Antifungal Sensitivities

Guides optimal treatment strategy with pharmaceutical and herbal sensitivity data.

- Antibiotic sensitivities
- Antifungal sensitivities
- Natural antimicrobial and antifungal agents (e.g. Berberine, Oregano, Garlic)

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.

MALDI-TOF Culture:

Confirmatory culture with pharmaceutical and herbal sensitivity testing

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: 5-7 business days

TECHNOLOGY: PCR & qPCR + ELISA/CLIA + GC-MS + MALDI-TOF Culture + Macroscopy

MARKERS: 130+ markers across 14 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.**