



## *DNA PCR STOOL ANALYSIS*

The GI-MAP™ (GI-Microbial Assay Plus) quantitatively assesses a patient's microbiome with attention to bacterial, parasitic, and viral pathogens that can cause disease, disrupt the normal microbial balance, and contribute to chronic GI illness.

Diagnostic Solutions Laboratory utilizes proven qPCR technology with high Sensitivity and Specificity to provide quantitative, accurate, and reliable results.

### **FOR INDIVIDUALS WITH SYMPTOMS OF:**

- Chronic and Acute Gastroenteritis
- IBD-Inflammatory Bowel Disease
- IBS-Irritable Bowel Syndrome
- Autoimmune Disease
- SIBO
- Suspected H. pylori Infection
- Fungal or Yeast Infections
- Bacterial & Parasitic Infections
- Intestinal Permeability
- Viral Pathogens

### **THE GI-MAP™ INCLUDES THESE ANALYTES:**

- Bacterial Pathogens
- Viral Pathogens
- Parasitic Pathogens
- Parasitic Protozoa
- Parasitic Worms
- Normal Bacterial Flora
- Opportunistic Bacteria
- H. pylori with Virulence Factors
- Fungi/Yeast
- Digestion
- Immune Response
- Inflammation
- Antibiotic Resistance Genes
- Add-on option: Zonulin (Leaky Gut marker)





# It's simply the better test.

Microscopy and culture-based tests are familiar, but they have limitations with sensitivity, specificity, and identifying anaerobic organisms. That is why almost no peer-reviewed GI microbial research studies have used microscopy and culture-based testing methods in over 20 years.

It is estimated that there are over 200 million cases of Gastrointestinal disease each year in the United States. Acute or chronic diarrhea caused by a bacterial, viral, or parasitic pathogens present in the GI tract, account for a significant proportion of the cases. Many of these cases often go undiagnosed and untreated.

## METHODOLOGY

- PCR amplifies gene targets and can generate thousands to millions of copies of a single target DNA sequence.
- This increases the sensitivity and specificity of the test greatly.
- The automated nature of this method minimizes the chance for human error.

## TEST ORDERING OPTIONS

- GI-MAP™
- Add on Test: Zonulin (Gut permeability)
- Reflex Test Option: Antibiotic Resistance Gene Panel

## SPECIMEN REQUIREMENTS

- Single stool collection shipped ambient.
- Test kits include specimen collection instructions, test request form, collection tray, Carey Blair transport medium, specimen bag, gloves, absorbent material, and a pre-paid Clinical Pak mailer.

## GETTING STARTED

Account setup forms are available on our website, via email at [cs@diagnosticsolutionslab.com](mailto:cs@diagnosticsolutionslab.com), or by phone at 877-485-5336.

## CPT CODE(S)

### GI-Map

87507 x1 - Inf agent detect by DNA, GI pathogens, amp probe, multiplex, 12-25 targets

82272 x1 - Fecal occult blood

83993 x1 - Calprotectin, quantitative ELISA

82656 x1 - Pancreatic Elastase, ELISA

83516 x1 - Fecal Secretory IgA, ELISA

83516 x1 - IgA ELISA, Gliadin, ELISA

### GI-Pathogens

87507 x1 - Inf agent detect by DNA, GI pathogens, amp probe, multiplex, 12-25 targets

### H. Pylori

87506 X1 - Inf agent detect by DNA, H. pylori, amp probe, multiplex, 3-5 targets

### Zonulin

83520 X1 - Immuno assay, quant. Nos-Zonulin

## TEST TURN-AROUND

4-6 days

1. Hartman KG, Bortner JD, Falk GW, Ginsberg GG, Jhala N, Yu J, Martin MG, Rustgi AK, Lynch JP. Modeling human gastrointestinal inflammatory diseases using micro physiological culture systems. *Exp Bio Med* (2014); 239:1108-1123
2. Platts-Mills JA, Liu J, Houpt ER. New concepts in diagnostics for infectious diarrhea *Nature* (2013); 6(5):876-885