

# The clinical value of the GI-MAP Microbial Assay Plus



Hi, I'm Dr. Sodano, the director of clinical support and education at Evexia Diagnostics.



As you most likely know, digestive problems are one of the most common reasons people seek medical advice. So, today I want to talk to you about functional stool testing, in particular the GI-MAP test, which stand for Gastrointestinal Microbial Assay Plus test.

The GI MAP measures the gastrointestinal microbiota DNA from a single stool sample utilizing quantitative polymerase chain reaction technology also known as PCR. This test was designed to detect microbes that may be disturbing normal microbial balance, which can contribute to illness. This test also includes biomarkers of intestinal health that assesses digestion, absorption, inflammation, and immune function.

The GI-MAP's accuracy and reliability allows you to create personalized treatment protocols to address gut dysfunction based on which infections may require attention such as the known pathogenic bacteria, parasites, and viruses, bacterial overgrowth, which areas of the gut are already optimized, and which areas should be addressed.

The GI-MAP also helps you zoom in on specific microbes that might be "confusing" the immune system, such as Klebsiella pneumoniae, cytomegalovirus (CMV), and many other microbes that are potential autoimmune disease triggers.

PATHOGENS	
Microbial Pathogen	Result
Campylobacter	-#
C. difficile Toxin A	2.7E4 High
C. difficile Toxin B	2.2E4 High
Enterobacteriaceae E. coli	-#
E. coli O157	-#
Enterovirus E. coli/Shigella	-#
Enterovirus E. coli/LT27	-#
Shiga-like Toxin E. coli SLT	-#
Shiga-like Toxin E. coli SLT2	-#
Salmonella	-#
Wolbachia	-#
Yersinia enterocolitica	4.0E3
IMMUNE RESPONSE	
Cryptosporidium	-#
Enterolobus histolytica	-#
Gleba	-#
GUT BIOMARKERS	
Adenovirus 42/41	-#
Norovirus GII	-#

## FEATURED GI-MAP ANALYTES:

- Steatocrit and pancreatic elastase-1, which provide information about digestion and absorption and the need for support.
- Fecal IgA, antigliadin IgA and eosinophil activation protein, which are immune response markers. Fecal Secretory IgA is a marker of gut secretory immunity and barrier function, antigliadin IgA is a marker of gut immune reaction to gliadin, and Eosinophil Activation Protein is a marker of eosinophil-driven inflammation and allergic response in the gut.
- Calprotectin is a marker of neutrophil-driven inflammation and is produced at sites of inflammation in the gut.

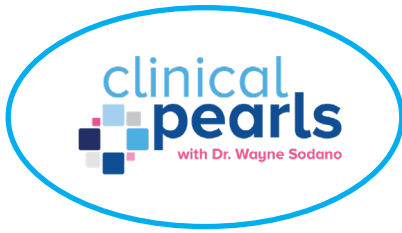


- The fecal immunochemical test is used to assess for occult blood in the stool and beta-glucuronidase is used as an indicator of dysbiosis. Clinical indications of elevated beta-glucuronidase include SIBO and extremely elevated cases may be associated with colon cancer risk, problems with detoxification, and overexposure to toxins or drugs.

Learn more about the GI-MAP by [clicking here](#).  
 Learn more about the Evexia Nutraceuticals by [clicking here](#).  
 To learn more about Evexia Diagnostics scan the QR Code.  
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Here are some Evexia Nutraceuticals™ recommendations related to hormone balance for your patients:

**GASTRO MICROB-ESSENTIALS** – Gastro Microb-Essentials is a proprietary blend of botanicals that can help support a healthy microbial balance in the gastrointestinal (GI) tract. Each ingredient in this product has a long history of use for supporting healthy gut flora. These botanicals include: Tribulus Extract, a flowering plant also known as the Puncture Vine, which is native to warm temperate and tropical regions; Berberine Sulfate, found in roots, rhizomes and the stem bark of plants such as barberry, goldenseal, goldthread and tree turmeric; Sweet Wormwood, derived from the inner bark of the Artemisia annua; Black Walnut Extract; Bearberry Extract; and Caprylic Acid. Research has shown that these unique botanicals possess a wide array of properties that can help support optimal gut bacteria balance including antibacterial, antiviral, antiparasitic, and antifungal activities.

**D-ZYMES PLUS** – A special formula to support optimal digestion, D-Zymes Plus combines betaine hydrochloride (HCl) along with a proprietary blend of digestive enzymes which includes dipeptidyl peptidase IV (a special enzyme which aids in the breakdown of gluten and casein - hard-to-digest proteins); lactase (the enzyme which helps digest lactose, known as the “milk sugar”); and ox bile extract and lipase (to emulsify and digest fats and fat-soluble vitamins).

**GASTROBALANCE PLUS** – GastroBalance Plus is a blend of botanical extracts and nutrient complexes which support a healthy gastric microbial balance and help maintain a healthy gastric mucosa. This formula may be helpful in managing occasional heartburn, bloating, abdominal pain, or upset stomach. It’s offered in a quick-release capsule which dissolves easily for fast action.



Learn more about the GI-MAP by [clicking here](#).

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