

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.



GI Microbial Assay Plus

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.

Diagnostic	Patient: Ine Sample		
Solutions	Collected 66/02/2022	6 01111961 Completed 6112022	
Inboratory	DOB-07/15/1981		
	Gender M	Ordered by Diane Fr	
4 Shiupi-Rd, Ste 101 Alphaneta GA 30005 465-5306	Dec 87001	ANN THE RY DUNKTERS FOR	- S GI-MAP
IR PERSONALIZED REPORT			Gi Warshiel Assey Plus
IN PERSONALIZED REPORT	PATHOGEN	is.	
		-	
The GI-MAPIS includes pathogens (not all individuals with positive findir (such as immune health, digestive to presence and expression of virulence	gs will present with symptom unction, and microbiome bala se factors, all contribute to pai	s. Many factors, including th nce), the transient nature of	e health of the individual most pathogens, and the ual symptoms.
BACTERIAL PATHOSENS	Result		Reference
Campylobacter C. clifficile Toxin A	< d		< 1.00e3
	1,21e5	High !	< 1.00e3
C. difficile Toxin B	2.27e5	High !	< 1.00e3
Enterohemorrhagic E. coll	< d		< 1,00e3
E. coli 0157	< d		< 1.00e3
Enteroinvasive E. coll/Shige/la	< d		< 1.00e2
Enterotoxigenic E. coli LT/ST	< d		< 1.00e3
Shiga-like Toxin E. coli stx1	< d		< 1.00e3
Shiga-like Toxin E. coll stx2	<d.< td=""><td></td><td>< 1.00e3</td></d.<>		< 1.00e3
Salmonella	< d		< 1.00e4
Vibrio cholerae	<d <<="" td=""><td></td><td>< 1.00e5</td></d>		< 1.00e5
Yersinia enterocoltica	4.46e3		< 1.00e5
PARASITIC PATHODENS			
Cryptosporidium	< d		< 1.00e6
Entamoeba histolytica	< d		< 1.00e4
Gierdia	<d.< td=""><td></td><td>< 5.00e3</td></d.<>		< 5.00e3
VIRAL PATHOGENS			
Adenovirus 40/41	<d< td=""><td></td><td>< 1.00e10</td></d<>		< 1.00e10
Norovirus GMI	< d		< 1.00e7
Results are reported as genome of microbes measured per gram of a Results are expressed in standar microbes per gram, which equals < dl represents results below de	tool, based on QPCR analysis I scientific notation. For examp 35,000,000 (35 million) microb	of DNA samples. in, a reported result of 3.5e7 i	

FEATURED GI-MAP ANALYTES:

- Steatocrit and pancreatic elastase-1, which provide information about digestion and absorption and the need for support.
- Fecal slgA, 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 <u>clicking here</u>.

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, goldenthread 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 (HCI) 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.







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