Diagnostic Solutions laboratory

GI-MAP® PATTERNS ASSOCIATED WITH IMMUNE-MEDIATED FOOD REACTIONS

The **GI-MAP**™ (Microbial Assay Plus) can be used in conjunction with **IgG Food Explorer**™ and **IgE Allergy Explorer**™ to dig deeper into the root cause of adverse food reactions. If the gut barrier is permeable and/or digestion is suboptimal, maldigested food proteins can trigger immune system responses.

These are the key patterns to look for on the GI-MAP that are connected food sensitivities and allergies.

Food Intolerance, Allergy, and Adverse Food Reactions Pattern			
Histamine Production	*Morganella* spp.	High	*Opportunists (page 3)*
	Pseudomonas spp.	High	
	Pseudomonas aeroginosa	High	
	Citrobacter freundii	High	
	Klebsiella spp.	High	
	Klebsiella pneumoniae	High	
	Proteus spp.	High	
	Proteus mirabilis	High	
Food Allergies and Sensitivities	*Morganella* spp.	High	*Opportunists (page 3)*
	Staphylococcus aureus	High	
	Pseudomonas aeruginosa	High	
	Lactobacillus spp.	Low	*Normal Flora (page 2)*
	SIgA	High	*Intestinal Health Markers (page 4)*
	Anti-gliadin IgA	High	

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GI-MAP® GI Microbial Assay Plus

IgG™ FOOD EXPLORER

IgE™ ALLERGY EXPLORER

Gut Barrier Permeability ("Leaky Gut") Pattern			
Intestinal Permeability	Any Pathogen	High	*Pathogens (page 1)*
	Lactobacillus spp.	Low	*Normal Flora (page 2)*
	Akkermansia muciniphila	Low; <dl	
	Candida albicans	High	*Fungi/Yeast (page 3)*
	Anti-gliadin IgA	High	*Intestinal Health Markers (Page 4)*
	Zonulin	High	
Low Butyrate/SCFA Production	*Clostridia (class)*	Low; <dl	*Normal Flora (page 2)*
	Faecalibacterium prausnitzii	Low	
	Firmicutes phylum	Low	
Poor Mucosal health	*Bifidobacterium* spp.	Low; <dl	*Normal Flora (page 2)*
	Escherichia spp.	Low	
	Lactobacillus spp.	Low	
	Akkermansia muciniphila	Low; <dl	
	Bacteroidetes phylum	Low	

Digestive Insufficiency Pattern			
Digestive Insufficiency	*Firmicutes phylum*	High	*Pathogens (page 1)*
	Bacteroidetes phylum	High	
	Enterococcus spp.	High	
	Lactobacillus spp.	High	
	Clostridia (class)	High	
	Akkermansia muciniphila	High	
	Bacillus spp.	High	*Opportunists (page 3)*
	Enterococcus faecalis	High	
	Enterococcus faecium	High	
	Staphylococcus spp.	High	
	Staphylococcus aureus	High	
	Streptococcus spp.	High	
	Methanobacteriaceae (family)	High	
	Fusobacterium spp.	High	
	Steatocrit	Detected; High	*Intestinal Health Markers (page 4)*
	Pancreatic Elastase-1	Low	

GI-MAP®
GI Microbial Assay Plus

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