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GI-MAP™ DNA Stool Analysis

Patient: [REDACTED]
Collected: [REDACTED]
DOB: [REDACTED]

Accession: 20220125-0268
Received: 1/25/2022
Completed: 2/4/2022

Ordered By

Pathogens

Bacterial Pathogens

	Result	Normal
<i>Campylobacter</i>	<dl	<1.00e3
<i>C. difficile</i> , Toxin A	<dl	<1.00e3
<i>C. difficile</i> , Toxin B	<dl	<1.00e3
<i>Enterohemorrhagic E. coli</i>	<dl	<1.00e3
<i>E. coli</i> O157	<dl	<1.00e3
<i>Enteroinvasive E. coli/Shigella</i>	<dl	<1.00e2
<i>Enterotoxigenic E. coli</i> LT/ST	<dl	<1.00e3
Shiga-like Toxin <i>E. coli</i> stx1	<dl	<1.00e3
Shiga-like Toxin <i>E. coli</i> stx2	<dl	<1.00e3
<i>Salmonella</i>	<dl	<1.00e4
<i>Vibrio cholerae</i>	<dl	<1.00e5
<i>Yersinia enterocolitica</i>	<dl	<1.00e5

Parasitic Pathogens

	Result	Normal
<i>Cryptosporidium</i>	<dl	<1.00e6
<i>Entamoeba histolytica</i>	<dl	<1.00e4
<i>Giardia</i>	<dl	<5.00e3

Viral Pathogens

	Result	Normal
<i>Adenovirus</i> 40/41	<dl	<1.00e10
<i>Norovirus</i> GI/II	<dl	<1.00e7

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H. pylori

	Result	Normal
<i>Helicobacter pylori</i>	5.3e2	<1.0e3
Virulence Factor, babA	Negative	Negative
Virulence Factor, cagA	Negative	Negative
Virulence Factor, dupA	Negative	Negative
Virulence Factor, iceA	Negative	Negative
Virulence Factor, oipA	Negative	Negative
Virulence Factor, vacA	Negative	Negative
Virulence Factor, virB	Negative	Negative
Virulence Factor, virD	Negative	Negative

Normal Bacterial Flora

	Result		Normal
<i>Bacteroides fragilis</i>	2.14e9		1.60e9 - 2.50e11
<i>Bifidobacterium spp.</i>	1.46e10		>6.70e7
<i>Enterococcus spp.</i>	1.91e7		1.9e5 - 2.00e8
<i>Escherichia spp.</i>	2.17e8		3.70e6 - 3.80e9
<i>Lactobacillus spp.</i>	5.18e6		8.6e5 - 6.20e8
<i>Clostridia (class)</i>	5.29e7	High	5.00e6 - 5.00e7
<i>Enterobacter spp.</i>	2.77e6		1.00e6 - 5.00e7
<i>Akkermansia muciniphila</i>	1.04e7	High	1.00e1 - 5.00e4
<i>Faecalibacterium prausnitzii</i>	2.75e3		1.00e3 - 5.00e8

Phyla Microbiota

	Result		Normal
<i>Bacteroidetes</i>	1.06e11	Low	8.61e11 - 3.31e12
<i>Firmicutes</i>	7.46e10		5.70e10 - 3.04e11
<i>Firmicutes:Bacteroidetes Ratio</i>	0.70		<1.00

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Opportunistic Bacteria**Additional Dysbiotic/Overgrowth Bacteria**

	Result		Normal
<i>Bacillus</i> spp.	2.04e6	High	<1.50e5
<i>Enterococcus faecalis</i>	2.05e2		<1.00e4
<i>Enterococcus faecium</i>	5.34e2		<1.00e4
<i>Morganella</i> spp.	<dl		<1.00e3
<i>Pseudomonas</i> spp.	1.73e6	High	<1.00e4
<i>Pseudomonas aeruginosa</i>	5.98e2	High	<5.00e2
<i>Staphylococcus</i> spp.	<dl		<1.00e4
<i>Staphylococcus aureus</i>	9.39e3	High	<5.00e2
<i>Streptococcus</i> spp.	7.27e3	High	<1.00e3
<i>Methanobacteriaceae</i> (family)	6.29e6		<5.00e9

Potential Autoimmune Triggers

	Result		Normal
<i>Citrobacter</i> spp.	<dl		<5.00e6
<i>Citrobacter freundii</i>	<dl		<5.00e5
<i>Klebsiella</i> spp.	1.22e5	High	<5.00e3
<i>Klebsiella pneumoniae</i>	<dl		<5.00e4
<i>M. avium</i> subsp. <i>paratuberculosis</i>	<dl		<5.00e3
<i>Prevotella</i> spp.	2.97e6		<1.00e8
<i>Proteus</i> spp.	<dl		<5.00e4
<i>Proteus mirabilis</i>	<dl		<1.00e3
<i>Fusobacterium</i> spp.	2.82e7		<1.00e8

Fungi/Yeast

	Result		Normal
<i>Candida</i> spp.	1.42e4	High	<5.00e3
<i>Candida albicans</i>	<dl		<5.00e2
<i>Geotrichum</i> spp.	<dl		<3.00e2
<i>Microsporidium</i> spp.	<dl		<5.00e3
<i>Rhodotorula</i> spp.	<dl		<1.00e3

Viruses

	Result		Normal
Cytomegalovirus	<dl		<1.00e5
Epstein Barr Virus	<dl		<1.00e7

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Parasites

Protozoa	Result	Normal
<i>Blastocystis hominis</i>	<dl	<2.00e3
<i>Chilomastix mesnili</i>	<dl	<1.00e5
<i>Cyclospora spp.</i>	<dl	<5.00e4
<i>Dientamoeba fragilis</i>	<dl	<1.00e5
<i>Endolimax nana</i>	<dl	<1.00e4
<i>Entamoeba coli</i>	<dl	<5.00e6
<i>Pentatrichomonas hominis</i>	<dl	<1.00e2

Worms	Result	Normal
<i>Ancylostoma duodenale</i>	Not Detected	Not Detected
<i>Ascaris lumbricoides</i>	Not Detected	Not Detected
<i>Necator americanus</i>	Not Detected	Not Detected
<i>Trichuris trichiura</i>	Not Detected	Not Detected
<i>Taenia spp.</i>	Not Detected	Not Detected

Intestinal Health

Digestion	Result	Normal
Steatocrit	<dl	<15 %
Elastase-1	619	>200 ug/g

GI Markers	Result	Normal
b-Glucuronidase	707	<2486 U/mL
Occult Blood - FIT	0	<10 ug/g

Immune Response	Result	Normal
Secretory IgA	1022	510 - 2010 ug/g
Anti-gliadin IgA	87	0 - 157 U/L

Inflammation	Result	Normal
Calprotectin	6	<173 ug/g

Add-on Test	Result	Normal
Zonulin	82.5	<107 ng/g

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Antibiotic Resistance Genes, phenotypes

Helicobacter		Result		Expected Result	
Amoxicillin		Negative		Negative	
A926G	Absent	AGA926-928TTC	Absent		
Clarithromycin		Negative		Negative	
A2142G	Absent	A2142C	Absent	A2143G	Absent
Fluoroquinolones		Negative		Negative	
gyrA N87K	Absent	gyrA D91N	Absent	gyrA D91G	Absent
gyrB S479N	Absent	gyrB R484K	Absent		
Tetracycline		Negative		Negative	
PBP1A S414R	Absent	PBP1A T556S	Absent	PBP1A N562Y	Absent