

Patient: .

Received: 9/13/2021

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
Adenovirus 40/41	<dl	<1.00e10
Norovirus GI/II	<dl	<1.00e7

H. pylori

	Result	Normal
<i>Helicobacter pylori</i>	1.4e2	<1.0e3
Virulence Factor, babA	N/A	Negative
Virulence Factor, cagA	N/A	Negative
Virulence Factor, dupA	N/A	Negative
Virulence Factor, iceA	N/A	Negative
Virulence Factor, oipA	N/A	Negative
Virulence Factor, vacA	N/A	Negative
Virulence Factor, virB	N/A	Negative
Virulence Factor, virD	N/A	Negative

Normal Bacterial Flora

	Result		Normal
<i>Bacteroides fragilis</i>	2.46e10		1.60e9 - 2.50e11
<i>Bifidobacterium spp.</i>	2.24e12		>6.70e7
<i>Enterococcus spp.</i>	2.05e5		1.9e5 - 2.00e8
<i>Escherichia spp.</i>	3.45e6	Low	3.70e6 - 3.80e9
<i>Lactobacillus spp.</i>	2.16e6		8.6e5 - 6.20e8
<i>Clostridia (class)</i>	6.53e7	High	5.00e6 - 5.00e7
<i>Enterobacter spp.</i>	9.47e6		1.00e6 - 5.00e7
<i>Akkermansia muciniphila</i>	4.82e4		1.00e1 - 5.00e4
<i>Faecalibacterium prausnitzii</i>	7.43e5		1.00e3 - 5.00e8

Phyla Microbiota

	Result		Normal
<i>Bacteroidetes</i>	7.56e12	High	8.61e11 - 3.31e12
<i>Firmicutes</i>	4.30e11	High	5.70e10 - 3.04e11
<i>Firmicutes:Bacteroidetes Ratio</i>	0.06		<1.00

Opportunistic Bacteria**Additional Dysbiotic/Overgrowth Bacteria**

	Result		Normal
<i>Bacillus spp.</i>	1.44e5		<1.50e5
<i>Enterococcus faecalis</i>	<dl		<1.00e4
<i>Enterococcus faecium</i>	8.20e2		<1.00e4
<i>Morganella spp.</i>	<dl		<1.00e3
<i>Pseudomonas spp.</i>	<dl		<1.00e4
<i>Pseudomonas aeruginosa</i>	<dl		<5.00e2
<i>Staphylococcus spp.</i>	<dl		<1.00e4
<i>Staphylococcus aureus</i>	2.17e3	High	<5.00e2
<i>Streptococcus spp.</i>	7.21e3	High	<1.00e3
<i>Methanobacteriaceae</i> (family)	1.29e9		<5.00e9

Potential Autoimmune Triggers

	Result		Normal
<i>Citrobacter spp.</i>	<dl		<5.00e6
<i>Citrobacter freundii</i>	8.47e3		<5.00e5
<i>Klebsiella spp.</i>	<dl		<5.00e3
<i>Klebsiella pneumoniae</i>	1.11e2		<5.00e4
<i>M. avium subsp. paratuberculosis</i>	<dl		<5.00e3
<i>Prevotella spp.</i>	1.26e8	High	<1.00e8
<i>Proteus spp.</i>	<dl		<5.00e4
<i>Proteus mirabilis</i>	<dl		<1.00e3
<i>Fusobacterium spp.</i>	1.80e6		<1.00e8

Fungi/Yeast

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

Viruses

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

Parasites

Protozoa	Result		Normal
<i>Blastocystis hominis</i>	2.75e5	High	<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	158	Low	>200 ug/g

GI Markers

	Result		Normal
b-Glucuronidase	1650		<2486 U/mL
Occult Blood - FIT	0		<10 ug/g

Immune Response

	Result		Normal
Secretory IgA	550		510 - 2010 ug/g
Anti-gliadin IgA	69		0 - 157 U/L

Inflammation

	Result		Normal
Calprotectin	6		<173 ug/g

Add-on Test

	Result		Normal
Zonulin	42.2		<107 ng/g

Antibiotic Resistance Genes, phenotypes

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