

Patient:
Collected:
DOB:

Accession:
Received: 10/17/2019
Completed: 10/28/2019

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
Enterohemorrhagic <i>E. coli</i>	2.45e1	<1.00e3
<i>E. coli</i> O157	<dl	<1.00e3
Enteroinvasive <i>E. coli</i> /Shigella	<dl	<1.00e2
Enterotoxigenic <i>E. coli</i> LT/ST	<dl	<1.00e3
Shiga-like Toxin <i>E. coli</i> stx1	2.82e1	<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>	1.9e2	<1.0e3
Virulence Factor, babA	Negative	Negative
Virulence Factor, cagA	Positive	Negative
Virulence Factor, dupA	Negative	Negative
Virulence Factor, iceA	Positive	Negative
Virulence Factor, oipA	Positive	Negative
Virulence Factor, vacA	Negative	Negative
Virulence Factor, virB	Positive	Negative
Virulence Factor, virD	Positive	Negative

Normal Bacterial Flora

	Result		Normal
<i>Bacteroides fragilis</i>	5.32e10		1.60e9 - 2.50e11
<i>Bifidobacterium spp.</i>	2.08e11		>6.70e7
<i>Enterococcus spp.</i>	2.00e7		1.9e5 - 2.00e8
<i>Escherichia spp.</i>	6.31e8		3.70e6 - 3.80e9
<i>Lactobacillus spp.</i>	1.26e9	High	8.6e5 - 6.20e8
<i>Clostridia (class)</i>	1.41e8	High	5.00e6 - 5.00e7
<i>Enterobacter spp.</i>	1.84e8	High	1.00e6 - 5.00e7
<i>Akkermansia muciniphila</i>	4.41e5	High	1.00e1 - 5.00e4
<i>Faecalibacterium prausnitzii</i>	3.57e4		1.00e3 - 5.00e8

Phyla Microbiota

	Result		Normal
<i>Bacteroidetes</i>	3.91e11	Low	8.61e11 - 3.31e12
<i>Firmicutes</i>	4.83e11	High	5.70e10 - 3.04e11
<i>Firmicutes:Bacteroidetes Ratio</i>	1.24	High	<1.00

Opportunistic Bacteria

Additional Dysbiotic/Overgrowth Bacteria

	Result		Normal
<i>Bacillus spp.</i>	9.32e5	High	<1.50e5
<i>Enterococcus faecalis</i>	1.07e4	High	<1.00e4
<i>Enterococcus faecium</i>	3.41e3		<1.00e4
<i>Morganella spp.</i>	<dl		<1.00e3
<i>Pseudomonas spp.</i>	1.02e4	High	<1.00e4
<i>Pseudomonas aeruginosa</i>	5.88e2	High	<5.00e2
<i>Staphylococcus spp.</i>	<dl		<1.00e4
<i>Staphylococcus aureus</i>	2.29e1		<5.00e2
<i>Streptococcus spp.</i>	3.03e3	High	<1.00e3
<i>Methanobacteriaceae</i> (family)	5.12e8		<5.00e9

Potential Autoimmune Triggers

	Result		Normal
<i>Citrobacter spp.</i>	<dl		<5.00e6
<i>Citrobacter freundii</i>	6.13e4		<5.00e5
<i>Klebsiella spp.</i>	<dl		<5.00e3
<i>Klebsiella pneumoniae</i>	7.26e2		<5.00e4
<i>M. avium subsp. paratuberculosis</i>	<dl		<5.00e3
<i>Prevotella spp.</i>	3.38e7		<1.00e8
<i>Proteus spp.</i>	<dl		<5.00e4
<i>Proteus mirabilis</i>	<dl		<1.00e3
<i>Fusobacterium spp.</i>	4.12e7		<1.00e8

Fungi/Yeast

	Result		Normal
<i>Candida spp.</i>	1.37e5	High	<5.00e3
<i>Candida albicans</i>	4.78e1		<5.00e2
<i>Geotrichum spp.</i>	<dl		<3.00e2
<i>Microsporidium spp.</i>	<dl		<5.00e3
<i>Rodotorula spp.</i>	<dl		<1.00e3

Viruses

	Result		Normal
<i>Cytomegalovirus</i>	<dl		<1.00e5
<i>Epstein Barr Virus</i>	<dl		<1.00e7

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	836	>200 ug/g

GI Markers	Result	Normal
b-Glucuronidase	1803	<2486 U/mL
Occult Blood - FIT	0	<10 ug/g

Immune Response	Result	Normal
Secretory IgA	647	510 - 2010 ug/g
Anti-gliadin IgA	195	0 - 157 U/L

Inflammation	Result	Normal
Calprotectin	92	<173 ug/g

Antibiotic Resistance Genes, phenotypes

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