

Patient: Ima Sample
Collected: 2/10/2018
DOB: 7/11/1981

Accession: 20180212-0001
Received: 2/12/2018
Completed: 1/9/2019

Ordered by: Diane Farhi, MD

Pathogens

Bacterial Pathogens

	Result		Normal
<i>Campylobacter</i>	<dl		<1.00e3
<i>C. difficile</i> , Toxin A	1.21e5	High	<1.00e3
<i>C. difficile</i> , Toxin B	2.27e5	High	<1.00e3
Enterohemorrhagic <i>E. coli</i>	<dl		<1.00e3
<i>E. coli</i> O157	8.60e0		<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	<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>	4.46e1		<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>	2.9e3	High	<1.0e3
Virulence Factor, babA	Positive		Negative
Virulence Factor, cagA	Positive		Negative
Virulence Factor, dupA	Negative		Negative
Virulence Factor, iceA	Negative		Negative
Virulence Factor, oipA	Negative		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>	1.1e11		1.60e9 - 2.50e11
<i>Bifidobacterium spp.</i>	2.4e10		>6.70e7
<i>Enterococcus spp.</i>	4.9e7		1.9e5 - 2.00e8
<i>Escherichia spp.</i>	6.1e5	Low	3.70e6 - 3.80e9
<i>Lactobacillus spp.</i>	3.7e4	Low	8.6e5 - 6.20e8
<i>Clostridia (class)</i>	6.25e6		5.00e5 - 5.00e7
<i>Enterobacter spp.</i>	9.16e6		1.00e6 - 5.00e7
<i>Akkermansia mucinophilia</i>	1.76e6	High	1.0e1 - 5.0e4
<i>Faecalibacterium prausnitzii</i>	9.56e5		1.0e3 - 5.0e8

Phyla Microbiota

	Result		Normal
<i>Bacteroidetes</i>	4.33e11	Low	8.61e11 - 3.31e12
<i>Firmicutes</i>	1.25e11		5.70e10 - 3.04e11
<i>Firmicutes:Bacteroidetes Ratio</i>	0.29		<1.00

Opportunistic Bacteria**Additional Dysbiotic/Overgrowth Bacteria**

	Result		Normal
<i>Bacillus spp.</i>	8.30e4		<1.50e5
<i>Enterococcus faecalis</i>	2.56e3		<1.00e4
<i>Enterococcus faecium</i>	1.11e3		<1.00e4
<i>Morganella spp.</i>	<dl		<1.00e3
<i>Pseudomonas spp.</i>	7.37e4	High	<1.00e4
<i>Pseudomonas aeruginosa</i>	<dl		<5.00e2
<i>Staphylococcus spp.</i>	1.93e4	High	<1.00e4
<i>Staphylococcus aureus</i>	1.23e1		<5.00e2
<i>Streptococcus spp.</i>	1.34e3	High	<1.00e3
<i>Methanobacteriaceae</i> (family)	3.70e7		<5.00e9

Potential Autoimmune Triggers

	Result		Normal
<i>Citrobacter spp.</i>	<dl		<5.00e6
<i>Citrobacter freundii</i>	<dl		<5.00e5
<i>Klebsiella spp.</i>	2.48e4	High	<5.00e3
<i>Klebsiella pneumoniae</i>	1.41e4		<5.00e4
<i>M. avium subsp. paratuberculosis</i>	<dl		<5.00e3
<i>Prevotella spp.</i>	<dl		<1.00e8
<i>Proteus spp.</i>	<dl		<5.00e4
<i>Proteus mirabilis</i>	<dl		<1.00e3
<i>Fusobacterium spp.</i>	6.16e5		<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
<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	6	<15 %
Elastase-1	388	>200 ug/g

GI Markers	Result	Normal
b-Glucuronidase	2584 High	<2486 U/mL
Occult Blood - FIT	4	<10 ug/g

Immune Response	Result	Normal
Secretory IgA	1873	510 - 2010 ug/g
Anti-gliadin IgA	15	0 - 157 U/L

Inflammation	Result	Normal
Calprotectin	22	<173 ug/g