

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>EnterohemorrhagicE.coli</i>	1.20e5	High	<1.00e3
<i>E.coli</i> O157	<dl		<1.00e3
<i>EnteroinvasiveE.coli/Shigella</i>	<dl		<1.00e2
<i>EnterotoxigenicE.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</i> cholerae	<dl		<1.00e5
<i>Yersinia</i> enterocolitica	<dl		<1.00e5

Parasitic Pathogens

	Result		Normal
<i>Cryptosporidium</i>	<dl		<1.00e6
<i>Entamoeba</i> histolytica	<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

H. pylori

	Result	
<i>Helicobacterpylori</i>	<dl	Normal <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>Bacteroidesfragilis</i>	4.56e11	High	1.60e9 - 2.50e11
<i>Bifidobacterium</i> spp.	9.48e11		>6.70e7
<i>Enterococcus</i> spp.	3.34e7		1.9e5 - 2.00e8
<i>Escherichiaspp.</i>	4.98e8		3.70e6 - 3.80e9
<i>Lactobacillus</i> spp.	3.40e6		8.6e5 - 6.20e8
<i>Clostridia</i> (class)	4.75e8	High	5.00e6 - 5.00e7
<i>Enterobacterspp.</i>	8.21e7	High	1.00e6 - 5.00e7
<i>Akkermansiamuciniphila</i>	5.25e5	High	1.00e1 - 5.00e4
<i>Faecalibacteriumprausnitzii</i>	2.78e5		1.00e3 - 5.00e8

Phyla Microbiota

	Result		Normal
<i>Bacteroidetes</i>	1.39e12		8.61e11 - 3.31e12
<i>Firmicutes</i>	4.01e11	High	5.70e10 - 3.04e11
<i>Firmicutes:Bacteroidetes</i> Ratio	0.29		<1.00

Opportunistic Bacteria

Additional Dysbiotic/Overgrowth Bacteria

	Result		Normal
<i>Bacillus</i> spp.	1.96e5	High	<1.50e5
<i>Enterococcus faecalis</i>	4.70e2		<1.00e4
<i>Enterococcus faecium</i>	2.18e4	High	<1.00e4
<i>Morganella</i> spp.	<dl		<1.00e3
<i>Pseudomonas</i> spp.	8.09e2		<1.00e4
<i>Pseudomonas aeruginosa</i>	2.61e1		<5.00e2
<i>Staphylococcus</i> spp.	<dl		<1.00e4
<i>Staphylococcus aureus</i>	<dl		<5.00e2
<i>Streptococcus</i> spp.	1.85e4	High	<1.00e3
<i>Methanobacteriaceae</i> (family)	3.09e9		<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.	<dl		<5.00e3
<i>Klebsiella pneumoniae</i>	<dl		<5.00e4
<i>M. avium</i> subsp. <i>paratuberculosis</i>	<dl		<5.00e3
<i>Prevotella</i> spp.	5.39e6		<1.00e8
<i>Proteus</i> spp.	<dl		<5.00e4
<i>Proteus mirabilis</i>	<dl		<1.00e3
<i>Fusobacterium</i> spp.	1.73e6		<1.00e8

Fungi/Yeast

	Result		Normal
<i>Candida</i> spp.	6.00e2		<5.00e3
<i>Candida albicans</i>	<dl		<5.00e2
<i>Geotrichum</i> spp.	<dl		<3.00e2
<i>Microsporidium</i> spp.	<dl		<5.00e3
<i>Rodotorula</i> spp.	<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>Blastocystishominis</i>	<dl		<2.00e3
<i>Chilomastixmesnili</i>	<dl		<1.00e5
<i>Cyclosporaspp.</i>	<dl		<5.00e4
<i>Dientamoebafragilis</i>	1.95e5	High	<1.00e5
<i>Endolimaxnana</i>	<dl		<1.00e4
<i>Entamoebacoli</i>	<dl		<5.00e6
<i>Pentatrichomonashominis</i>	<dl		<1.00e2

Worms

Worms	Result		Normal
<i>Ancylostomaduodenale</i>	Not Detected		Not Detected
<i>Ascarislumbricoides</i>	Not Detected		Not Detected
<i>Necatoramericanus</i>	Not Detected		Not Detected
<i>Trichuristrichiura</i>	Not Detected		Not Detected
<i>Taeniaspp.</i>	Not Detected		Not Detected

Intestinal Health

Digestion	Result		Normal
Steatocrit	<dl		<15 %
Elastase-1	184	Low	>200 ug/g

GI Markers

GI Markers	Result		Normal
b-Glucuronidase	2347		<2486 U/mL
Occult Blood - FIT	0		<10 ug/g

Immune Response

Immune Response	Result		Normal
Secretory IgA	245	Low	510 - 2010 ug/g
Anti-gliadin IgA	92		0 - 157 U/L

Inflammation

Inflammation	Result		Normal
Calprotectin	305	High	<173 ug/g

Add-on Test

Add-on Test	Result		Normal
Zonulin	221.0	High	<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	
A2142C	N/A	A2142G	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