

Pathogens

	Result		Normal
Bacterial Pathogens			
<i>Campylobacter</i>	<dl		<1.00e3
<i>C. difficile</i> , Toxin A	3.17e6	High	<1.00e3
<i>C. difficile</i> , Toxin B	3.20e6	High	<1.00e3
<i>Enterohemorrhagic E. coli</i>	6.17e2		<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>	3.94e0		<1.00e5
Parasitic Pathogens			
<i>Cryptosporidium</i>	<dl		<1.00e6
<i>Entamoeba histolytica</i>	<dl		<1.00e4
<i>Giardia</i>	<dl		<5.00e3
Viral Pathogens			
Adenovirus 40/41	<dl		<1.00e10
Norovirus GI/II	<dl		<1.00e7

H. pylori

	Result		Normal
<i>Helicobacter pylori</i>	<dl		<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>	1.2e11		1.60e9 - 2.50e11
<i>Bifidobacterium</i> spp.	4.9e10		>6.70e7
<i>Enterococcus</i> spp.	1.9e9	High	1.9e5 - 2.00e8
<i>Escherichia</i> spp.	2.5e9		3.70e6 - 3.80e9
<i>Lactobacillus</i> spp.	8.4e6		8.6e5 - 6.20e8

<i>Clostridium spp.</i>	7.38e5		1.20e3 - 1.00e6
<i>Enterobacter spp.</i>	1.72e10	High	1.00e6 - 5.00e7
Phyla Microbiota	Result		Normal
<i>Bacteroidetes</i>	5.97e12	High	8.61e11 - 3.31e12
<i>Firmicutes</i>	1.80e11		5.70e10 - 3.04e11
<i>Firmicutes:Bacteroidetes Ratio</i>	0.03		<1.00

Opportunistic Bacteria

Additional Dysbiotic/Overgrowth Bacteria	Result		Normal
<i>Bacillus spp.</i>	4.47e5	High	<1.50e5
<i>Enterococcus faecalis</i>	1.00e6	High	<1.00e4
<i>Enterococcus faecium</i>	3.24e5	High	<1.00e4
<i>Morganella spp.</i>	7.30e5	High	<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>	1.12e1		<5.00e2
<i>Streptococcus spp.</i>	8.57e2		<1.00e3

Potential Autoimmune Triggers	Result		Normal
<i>Citrobacter spp.</i>	1.42e0		<5.00e6
<i>Citrobacter freundii</i>	5.76e7	High	<5.00e5
<i>Klebsiella spp.</i>	5.83e5	High	<5.00e3
<i>Klebsiella pneumoniae</i>	<dl		<5.00e4
<i>M. avium subsp. paratuberculosis</i>	<dl		<5.00e3
<i>Prevotella copri</i>	<dl		<1.00e7
<i>Proteus spp.</i>	2.88e6	High	<5.00e4
<i>Proteus mirabilis</i>	2.86e5	High	<1.00e3

Fungi/Yeast

	Result		Normal
<i>Candida spp.</i>	5.90e1		<5.00e3
<i>Candida albicans</i>	<dl		<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
Elastase-1	339	>200 ug/g
Steatocrit	<dl	<15 %

GI Markers	Result	Normal
b-Glucuronidase	2891 High	<2486 U/mL
Occult Blood - FIT	6	<10 ug/g

Immune Response	Result	Normal
Secretory IgA	285 Low	510 - 2010 ug/g
Anti-gliadin IgA	70	0 - 157 U/L

Inflammation	Result	Normal
Calprotectin	197 High	<50 ug/g

Add-on Test	Result	Normal
Zonulin	50.3	<107 ng/g

Antibiotic Resistance Genes, phenotypes

Helicobacter

Clarithromycin	Result	Expected Result
	Negative	Absent

A2142C	N/A	A2142G	N/A	A2143G	N/A
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Fluoroquinolones	Result	Expected Result
	Negative	Absent

gyrA N87K	N/A	gyrA D91N	N/A	gyrA D91G	N/A
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gyrB S479N	N/A	gyrB R484K	N/A
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