

Patient: **Brandon Trean**
Collected: 8/1/2017
DOB: 11/8/1984

Accession: **20170803-0104**
Received: 8/3/2017
Completed: 8/11/2017

Ordered by: **Justin Marchegiani, DC**

Pathogens

Bacterial Pathogens

	Result	Expected
<i>Campylobacter</i>	Negative	Negative
<i>C. difficile</i> , Toxin A	Negative	Negative
<i>C. difficile</i> , Toxin B	Negative	Negative
<i>E. coli</i> O157	Negative	Negative
Enterotoxigenic <i>E. coli</i> LT	Negative	Negative
Enterotoxigenic <i>E. coli</i> ST	Negative	Negative
Shiga-like Toxin <i>E. coli</i> stx1	Negative	Negative
Shiga-like Toxin <i>E. coli</i> stx2	Negative	Negative
<i>Shigella</i>	Negative	Negative
<i>Salmonella</i>	Negative	Negative
<i>Vibrio cholerae</i>	Negative	Negative
<i>Yersinia enterocolitica</i>	Negative	Negative

Viral Pathogens

	Result	Expected
Adenovirus 40/41	Negative	Negative
Norovirus GI	Negative	Negative
Norovirus GII	Negative	Negative
Rotavirus A	Negative	Negative

Parasitic Pathogens

	Result	Expected
<i>Cryptosporidium</i>	Negative	Negative
<i>Entamoeba histolytica</i>	Negative	Negative
<i>Giardia</i>	Negative	Negative

H. pylori

	Result	High	Range CFU/g
<i>Helicobacter pylori</i>	3.5e3	High	<1.0e3
Virulence Factor, cagA	Positive		Negative
Virulence Factor, vacA	Negative		Negative

Normal Bacterial Flora

			Range org/g
<i>Bacteroides fragilis</i>	1.4e12	High	5.00e5 - 3.00e9
<i>Bifidobacterium spp.</i>	7.7e10		>1.10e8
<i>Enterococcus spp.</i>	2.2e8	High	1.2e4 - 3.10e6
<i>Escherichia spp.</i>	4.1e8	High	1.00e4 - 7.60e7
<i>Lactobacillus spp.</i>	2.4e9		1.0e6 - 5.80e9

Opportunistic Bacteria**Potential Autoimmune Triggers**

			Range CFU/g
<i>Citrobacter freundii</i>	<dl		<1.0e4
<i>Klebsiella pneumoniae</i>	<dl		<7.2e3
<i>Proteus spp.</i>	<dl		<6.2e3
<i>Proteus mirabilis</i>	<dl		<1.0e3

Additional Dysbiotic/Overgrowth Bacteria

			Range org/g
<i>Morganella spp.</i>	<dl		<1.0e3
<i>Pseudomonas spp.</i>	<dl		<2.5e3
<i>Pseudomonas aeruginosa</i>	<dl		<1.0e3
<i>Staphylococcus spp.</i>	<dl		<1.0e4
<i>Streptococcus spp.</i>	<dl		<1.0e3

Parasites

		Range
<i>Blastocystis hominis</i>	Negative	Negative
<i>Dientamoeba fragilis</i>	Negative	Negative
<i>Endolimax nana</i>	Negative	Negative
<i>Entamoeba coli</i>	Negative	Negative
<i>Chilomastix mesnelli</i>	Negative	Negative
<i>Cyclospora spp.</i>	Negative	Negative
<i>Pentatrachomonas hominis</i>	Negative	Negative

Fungi/Yeast

		Range
<i>Candida albicans</i>	<dl	<5.0e3
<i>Candida spp.</i>	Negative	Negative
<i>Geotrichum spp.</i>	Negative	Negative
<i>Microsporidium spp.</i>	Negative	Negative
<i>Trichosporon spp.</i>	Negative	Negative

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Intestinal Health

Digestion

	Result		Range
Elastase-1	245		>200 ug/g
Steatocrit	<dl		<15 %

Immune Response

Secretory IgA	501	Low	510 - 2010 ug/g
Anti-gliadin IgA	372	High	0 - 157 U/L

Inflammation

Calprotectin	146	High	<50 ug/g
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Additional Tests

b-Glucuronidase	2627	High	<2486 U/mL
Fecal Occult Blood	Negative		Negative