



5895 Shiloh Rd, Ste 101
Alpharetta GA 30005
877-485-5336

GI-MAPTM DNA Stool Analysis

Patient: Anne Bennington
Collected: 6/3/2019
DOB: 11/18/1961

Accession: 20190604-0245
Received: 6/4/2019
Completed: 6/17/2019

Ordered by: Constantina Gravalos, CCN

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>Enterohemorrhagic E. coli</i>	<dl	<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	3.61e1	<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

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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>	2.2e10	1.60e9 - 2.50e11
<i>Bifidobacterium spp.</i>	1.1e10	>6.70e7
<i>Enterococcus spp.</i>	2.0e6	1.9e5 - 2.00e8
<i>Escherichia spp.</i>	1.0e7	3.70e6 - 3.80e9
<i>Lactobacillus spp.</i>	1.2e7	8.6e5 - 6.20e8
<i>Clostridium spp.</i>	5.98e6	1.20e3 - 1.00e6
<i>Enterobacter spp.</i>	1.23e7	1.00e6 - 5.00e7

High

Vancomycin
fidaxomicinGI
microb X
Probiotic

Phyla Microbiota	Result	Normal
Bacteroidetes	2.33e12	8.61e11 - 3.31e12
Firmicutes	1.25e12	5.70e10 - 3.04e11
Firmicutes:Bacteroidetes Ratio	0.53	<1.00

High

↓
low stomach
acid
poor dietpain
cramping
fever
* diarrhea

Small Intestine Bacterial
Overgrowth

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Opportunistic Bacteria

Additional Dysbiotic/Overgrowth Bacteria	Result		Normal
<i>Bacillus</i> spp.	3.44e5	High	<1.50e5
<i>Enterococcus faecalis</i>	1.48e4	High	<1.00e4
<i>Enterococcus faecium</i>	<dl		<1.00e4
<i>Morganella</i> spp.	<dl		<1.00e3
<i>Pseudomonas</i> spp.	2.24e4	High	<1.00e4
<i>Pseudomonas aeruginosa</i>	4.02e2		<5.00e2
<i>Staphylococcus</i> spp.	<dl		<1.00e4
<i>Staphylococcus aureus</i>	7.36e1		<5.00e2
<i>Streptococcus</i> spp.	5.37e3	High	<1.00e3

SIBO
Constipation
Constipation
in acid

Crampy
Loose
stools

Low stomach
acid

SIBO
Constipation

Potential Autoimmune Triggers

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 copri</i>	2.68e7	High	<1.00e7
<i>Proteus</i> spp.	<dl		<5.00e4
<i>Proteus mirabilis</i>	<dl		<1.00e3

RA

Fungi/Yeast

Fungi/Yeast	Result	Normal
<i>Candida</i> spp.	<dl	<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

Viruses	Result	Normal
Cytomegalovirus	<dl	<1.00e5
Epstein Barr Virus	<dl	<1.00e7

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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	249	>200 ug/g

GI Markers	Result	Normal
b-Glucuronidase	1074	<2486 U/mL
Occult Blood - FIT	0	<10 ug/g

Immune Response	Result	Normal
Secretory IgA	664 ✓	510 - 2010 ug/g
Anti-gliadin IgA	66 ✓	0 - 157 U/L

Inflammation	Result	Normal
Calprotectin	144	<173 ug/g ✓

rule out celiac

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Antibiotic Resistance Genes, phenotypes

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

4 R's

① GI Microb-X.
Garlic → cholesterol too!

② Betaine

③ Floramyces / probiotic + prebiotic
GI Revive

④ Colostum



