

TEST NUMBER: TN123456
 PATIENT NUMBER: PN123456
 GENDER: XXXXXXX
 AGE: 37
 DATE OF BIRTH: mm/dd/yyyy

COLLECTED: mm/dd/yy
 RECEIVED: mm/dd/yy
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PRACTITIONER: Nordic Laboratories
TEST NAME: GI MAP
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
<i>Enterohemorrhagic E. coli</i>	<dl		<1.00e3
<i>E. coli</i> O157	8.60e0		<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>	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

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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>Akkermansia mucinophilia</i>	3.1e4		1.0e1 - 1.0e5
<i>Bacteroides spp.</i>	1.1e11		1.6e9 - 2.5e11
<i>Bifidobacterium spp.</i>	2.4e10		>6.7e7
<i>Clostridia (class)</i>	8.3e6		1.2e3 - 1.0e7
<i>Enterococcus spp.</i>	4.9e7		1.9e5 - 2.0e8
<i>Escherichia spp.</i>	6.1e5	Low	3.7e6 - 3.5e9
<i>Faecalibacterium prausnitzii</i>	1.1e7	High	1.8e4 - 2.0e6
<i>Lactobacillus spp.</i>	6.25e6		8.6e5 - 6.2e8
<i>Enterobacter spp.</i>	9.16e6		1.0e6 - 5.0e7

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

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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>Methanobacteriaceae</i> (family)	8.1e6	High	<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

Potential Autoimmune Triggers

	Result		Normal
<i>Citrobacter spp.</i>	<dl		<5.00e6
<i>Citrobacter freundii</i>	<dl		<5.00e5
<i>Fusibacterium spp.</i>	1.41e3		<1.00e4
<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 copri</i>	<dl		<1.00e7
<i>Proteus spp.</i>	<dl		<5.00e4
<i>Proteus mirabilis</i>	<dl		<1.00e3

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>Rodotorula spp.</i>	<dl		<1.00e3

Viruses

	Result		Normal
<i>Cytomegalovirus</i>	<dl		<1.00e5
<i>Epstein Barr Virus</i>	<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
Elastase-1	388	>200 ug/g
Steatocrit	6	<15 %

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

Add-on Test	Result	Normal
Zonulin	186.4 High	<107 ng/g

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Antibiotic Resistance Genes, phenotypes
Helicobacter Result Expected Result
Amoxicillin Negative Absent

A926G Absent AGA926-928TTC Absent

Clarithromycin Positive Absent

A2142C Absent A2142G Absent A2143G Present

Fluoroquinolones Negative Absent

gyrA N87K Absent gyrA D91N Absent gyrA D91G Absent

gyrB S479N Absent gyrB R484K Absent

Tetracycline Positive Absent

PBP1A S414R Present PBP1A T556S Absent PBP1A N562Y Absent

Antibiotic Resistance Genes, genotypes
Universal Microbiota Resistance Genes
b-lactamase Positive Absent

TEM-70 Absence CTXM3 Presence SHV-24 Presence

VEB-1 Absence OXA-30 Absence CTXM35 Absence

toho-3 Absence CTXM63 Absence PER-1 Absence

PER-2 Presence GES-3 Absence NDM-1 Absence

Fluoroquinolones Negative Absent

qnrA2 Absence qnrB Absence

Macrolides Positive Absent

ermA Absence ermB Presence ermC Absence

mefE Absence

Vancomycin Negative Absent

vanA1 Absence vanA2 Absence vanB Absence

vanC Absence