

PATIENT: **Sample Report**TEST REF: **TST-#####**

TEST NUMBER: TN123456

COLLECTED: mm/dd/yy

PATIENT NUMBER: PN123456

RECEIVED: mm/dd/yy

GENDER: XXXXXXX

TESTED: mm/dd/yy

AGE: 37

PRACTITIONER: **Nordic Laboratories**

DATE OF BIRTH: mm/dd/yyyy

**TEST NAME: GI MAP + ZONULIN****Pathogens****Bacterial Pathogens**

	Result		Normal
<i>Campylobacter</i>	<dl		<1.00e3
<i>C. difficile</i> , Toxin A	<b>1.21e5</b>	<b>High</b>	<1.00e3
<i>C. difficile</i> , Toxin B	<b>2.27e5</b>	<b>High</b>	<1.00e3
<i>Enterohemorrhagic E. coli</i>	<dl		<1.00e3
<i>E. coli</i> O157	<b>8.60e0</b>		<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>	<b>4.46e1</b>		<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
<i>Adenovirus</i> 40/41	<dl		<1.00e10
<i>Norovirus</i> GI/II	<dl		<1.00e7

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	Result		Normal
<i>Helicobacter pylori</i>	<b>2.9e3</b>	<b>High</b>	<1.0e3
Virulence Factor, babA	<b>Positive</b>		Negative
Virulence Factor, cagA	<b>Positive</b>		Negative
Virulence Factor, dupA	<b>Negative</b>		Negative
Virulence Factor, iceA	<b>Negative</b>		Negative
Virulence Factor, oipA	<b>Negative</b>		Negative
Virulence Factor, vacA	<b>Negative</b>		Negative
Virulence Factor, virB	<b>Positive</b>		Negative
Virulence Factor, virD	<b>Positive</b>		Negative

**Normal Bacterial Flora**

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

**Phyla Microbiota**

	Result		Normal
<i>Bacteroidetes</i>	<b>4.33e11</b>	<b>Low</b>	8.61e11 - 3.31e12
<i>Firmicutes</i>	<b>1.25e11</b>		5.70e10 - 3.04e11
<i>Firmicutes:Bacteroidetes Ratio</i>	<b>0.29</b>		<1.00

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<b>Additional Dysbiotic/Overgrowth Bacteria</b>	Result		Normal
<i>Bacillus spp.</i>	<b>8.30e4</b>		<1.50e5
<i>Enterococcus faecalis</i>	<b>2.56e3</b>		<1.00e4
<i>Enterococcus faecium</i>	<b>1.11e3</b>		<1.00e4
<i>Methanobacteriaceae</i> (family)	<b>8.1e6</b>	<b>High</b>	<1.00e4
<i>Morganella spp.</i>	<dl		<1.00e3
<i>Pseudomonas spp.</i>	<b>7.37e4</b>	<b>High</b>	<1.00e4
<i>Pseudomonas aeruginosa</i>	<dl		<5.00e2
<i>Staphylococcus spp.</i>	<b>1.93e4</b>	<b>High</b>	<1.00e4
<i>Staphylococcus aureus</i>	<b>1.23e1</b>		<5.00e2
<i>Streptococcus spp.</i>	<b>1.34e3</b>	<b>High</b>	<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>	<b>1.41e3</b>		<1.00e4
<i>Klebsiella spp.</i>	<b>2.48e4</b>	<b>High</b>	<5.00e3
<i>Klebsiella pneumoniae</i>	<b>1.41e4</b>		<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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**TEST NAME: GI MAP + ZONULIN****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**

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**

GI Markers	Result	Normal
b-Glucuronidase	2584 High	<2486 U/mL
Occult Blood - FIT	4	<10 ug/g

**Immune Response**

Immune Response	Result	Normal
Secretory IgA	1873	510 - 2010 ug/g
Anti-gliadin IgA	15	0 - 157 U/L

**Inflammation**

Inflammation	Result	Normal
Calprotectin	22	<173 ug/g

**Add-on Test**

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

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**Antibiotic Resistance Genes, phenotypes**

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