



Date of Birth :  
Sex : M  
Collected :  
Received:

ALPHA NATURAL HEALTH CENTRE  
200 WALKER STREET  
MARYBOROUGH QLD 4650

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## COMPLETE MICROBIOME MAPPING

### General Macroscopic Description

	Result	Range	Markers
Stool Colour	<b>Brown</b>		<b>Colour</b> - Brown is the colour of normal stool. Other colours may indicate abnormal GIT conditions.
Stool Form	<b>Unformed</b>		<b>Form</b> - A formed stool is considered normal. Variations to this may indicate abnormal GIT conditions.
Mucous	<b>NEG</b>	< +	<b>Mucous</b> - Mucous production may indicate the presence of an infection, inflammation or malignancy.
Occult Blood	<b>+</b>	< +	<b>Blood (Macro)</b> - The presence of blood in the stool may indicate possible GIT ulcer, and must always be investigated immediately.

### GIT Functional Markers

	Result	Range	Units	
Calprotectin.	<b>153.0 *H</b>	0.0 - 50.0	ug/g	
Pancreatic Elastase	<b>&gt;500.0</b>	> 200.0	ug/g	
Faecal Secretory IgA	<b>765.0</b>	510.0 - 2010.0	ug/g	
Faecal Zonulin	<b>35.0</b>	0.0 - 107.0	ng/g	
Faecal B-Glucuronidase	<b>6139.2 *H</b>	337.0 - 4433.0	U/g	
Steatocrit	<b>1.0</b>	0.0 - 15.0	%	
anti-Gliadin IgA	<b>12.0</b>	0.0 - 157.0	units/L	

### Microbiome Mapping Summary

#### Parasites & Worms

#### Bacteria & Viruses

#### Fungi and Yeasts

Pseudomonas aeruginosa.  
Streptococcus species

#### Key Phyla Microbiota

<b>Bacteroidetes</b>	<b>52.08 *H</b>	8.61 - 33.10	x10 <sup>11</sup> org/g	
<b>Firmicutes</b>	<b>81.98 *H</b>	5.70 - 30.40	x10 <sup>10</sup> org/g	
<b>Firmicutes:Bacteroidetes Ratio</b>	<b>0.16</b>	< 1.00	RATIO	



Parasites and Worms.	Result	Range	Units	
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**Parasitic Organisms**

Cryptosporidium.	<dl	< 1.0	x10 <sup>6</sup> org/g	
Entamoeba histolytica.	<dl	< 1.0	x10 <sup>4</sup> org/g	
Giardia lamblia.	<dl	< 5.0	x10 <sup>3</sup> org/g	
Blastocystis hominis.	<dl	< 2.0	x10 <sup>3</sup> org/g	
Dientamoeba fragilis.	<dl	< 1.0	x10 <sup>5</sup> org/g	
Endolimax nana	<dl	< 1.0	x10 <sup>4</sup> org/g	
Entamoeba coli.	<dl	< 5.0	x10 <sup>6</sup> org/g	
Pentatrichomonas hominis	<dl	< 1.0	x10 <sup>2</sup> org/g	

**Worms**

Ancylostoma duodenale, Roundworm	Not Detected			Comment: Not Detected results indicate the absence of detectable DNA in this sample for the worms reported.
Ascaris lumbricoides, Roundworm	Not Detected			
Necator americanus, Hookworm	Not Detected			
Trichuris trichiura, Whipworm	Not Detected			
Taenia species, Tapeworm	Not Detected			
Enterobius vermicularis, Pinworm	Not Detected			

Opportunistic Bacteria/Overgr	Result	Range	Units	
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Bacillus species.	<dl	< 1.5	x10 <sup>5</sup> org/g	
Enterococcus faecalis	<dl	< 1.0	x10 <sup>4</sup> org/g	
Enterococcus faecium	0.6	< 1.0	x10 <sup>4</sup> org/g	
Morganella species	<dl	< 1.0	x10 <sup>3</sup> org/g	
Pseudomonas species	<dl	< 1.0	x10 <sup>4</sup> org/g	
Pseudomonas aeruginosa.	12.9 *H	< 5.0	x10 <sup>2</sup> org/g	
Staphylococcus species	<dl	< 1.0	x10 <sup>4</sup> org/g	
Staphylococcus aureus	0.1	< 5.0	x10 <sup>2</sup> org/g	
Streptococcus species	30.4 *H	< 1.0	x10 <sup>3</sup> org/g	
Methanobacteriaceae	0.44	< 5.00	x10 <sup>9</sup> org/g	

**Potential Autoimmune Triggers**

Citrobacter species.	<dl	< 5.0	x10 <sup>5</sup> org/g	
Citrobacter freundii.	3.0	< 5.0	x10 <sup>5</sup> org/g	
Klebsiella species	<dl	< 5.0	x10 <sup>3</sup> org/g	
Klebsiella pneumoniae.	<dl	< 5.0	x10 <sup>4</sup> org/g	
Prevotella copri	<dl	< 1.0	x10 <sup>7</sup> org/g	
Proteus species	<dl	< 5.0	x10 <sup>4</sup> org/g	
Proteus mirabilis.	<dl	< 1.0	x10 <sup>3</sup> org/g	
Fusobacterium species	0.30	< 10.00	x10 <sup>7</sup> org/g	

Fungi & Yeast	Result	Range	Units	
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Candida species.	<dl	< 5.0	x10 <sup>3</sup> org/g	
Candida albicans.	<dl	< 5.0	x10 <sup>2</sup> org/g	
Geotrichum species.	<dl	< 3.0	x10 <sup>2</sup> org/g	
Microsporidium species	<dl	< 5.0	x10 <sup>3</sup> org/g	
Rhodotorula species.	<dl	< 1.0	x10 <sup>3</sup> org/g	

Bacterial Pathogens	Result	Range	Units	
Aeromonas species.	<dl	< 1.0	x10 <sup>3</sup> CFU/g	
Campylobacter.	<dl	< 1.0	x10 <sup>3</sup> CFU/g	
C. difficile, Toxin A	<dl	< 1.0	x10 <sup>3</sup> CFU/g	
C. difficile, Toxin B	<dl	< 1.0	x10 <sup>3</sup> CFU/g	
Enterohemorrhagic E. coli	<dl	< 1.0	x10 <sup>3</sup> CFU/g	
E. coli O157	<dl	< 1.0	x10 <sup>2</sup> CFU/g	
Enteroinvasive E. coli/Shigella	<dl	< 1.0	x10 <sup>3</sup> CFU/g	
Enterotoxigenic E. coli LT/ST	<dl	< 1.0	x10 <sup>3</sup> CFU/g	
Shiga-like Toxin E. coli stx1	<dl	< 1.0	x10 <sup>3</sup> CFU/g	
Shiga-like Toxin E. coli stx2	<dl	< 1.0	x10 <sup>3</sup> CFU/g	
Salmonella.	<dl	< 1.0	x10 <sup>4</sup> CFU/g	
Vibrio cholerae	<dl	< 1.0	x10 <sup>5</sup> CFU/g	
Listeria monocytogenes	<dl	< 1.0	x10 <sup>3</sup> CFU/g	
Yersinia enterocolitica.	<dl	< 1.0	x10 <sup>5</sup> CFU/g	
Helicobacter pylori	<dl	< 1.0	x10 <sup>3</sup> CFU/g	

**Comment: Helico Pylori virulence factors will be listed below if detected POSITIVE**

H.pylori Virulence Factor, babA	Not Detected
H.pylori Virulence Factor, cagA	Not Detected
H.pylori Virulence Factor, dupA	Not Detected
H.pylori Virulence Factor, iceA	Not Detected
H.pylori Virulence Factor, oipA	Not Detected
H.pylori Virulence Factor, vacA	Not Detected
H.pylori Virulence Factor, virB	Not Detected
H.pylori Virulence Factor, virD	Not Detected

Viral Pathogens	Result	Range	Units	
Adenovirus 40/41	<dl	< 1.0	x10 <sup>10</sup> CFU/g	
Norovirus GI/II	<dl	< 1.0	x10 <sup>7</sup> CFU/g	
Bocavirus	<dl	< 1.0	x10 <sup>10</sup> CFU/g	

Normal Bacterial GUT Flora	Result	Range	Units	
Bacteroides fragilis	6.0	1.6 - 250.0	x10 <sup>9</sup> CFU/g	
Bifidobacterium species	1.2 *L	> 6.7	x10 <sup>7</sup> CFU/g	
Enterococcus species	16.6	1.9 - 2000.0	x10 <sup>5</sup> CFU/g	
Escherichia species	8981.0 *H	3.7 - 3800.0	x10 <sup>6</sup> CFU/g	
Lactobacillus species	9.5	8.6 - 6200.0	x10 <sup>5</sup> CFU/g	
Clostridium species	63.2 *H	5.0 - 50.0	x10 <sup>6</sup> CFU/g	
Enterobacter species	46.5	1.0 - 50.0	x10 <sup>6</sup> CFU/g	
Akkermansia muciniphila	<DL (a) *L	0.01 - 50.00	x10 <sup>3</sup> CFU/g	
Faecalibacterium prausnitzii	1167.7	1.0 - 500000	x10 <sup>3</sup> CFU/g	

Short Chain Fatty Acids	Result	Range	Units	
Short Chain Fatty Acids, Beneficial	12.2 *L	> 13.6	umol/g	
Butyrate	24.7	10.8 - 33.5	%	
Acetate	50.8	44.5 - 72.4	%	
Propionate	20.3	0.0 - 32.0	%	
Valerate	4.2	0.5 - 7.0	%	