



4019726

COMPLETE MICROBIOME MAPPING

General Macroscopic Description

	Result	Markers
Stool Colour	Brown	Colour - Brown is the colour of normal stool. Other colours may indicate abnormal gut health.
Stool Form	Semi-formed	Form -Sample form is categorised using the Bristol stool chart. A comment on stool appearance can be found in the comments section.
Mucous	Not Detected	Mucous - Mucous production may indicate the presence of an infection and/or inflammation.
Occult Blood	Negative	Blood (Macro) - The presence of blood in the stool may be the result of several causes besides colorectal bleeding, including hemorrhoids or gastrointestinal infection.

Short Chain Fatty Acids

Result Range Units

Methodology: GC/MS

Short Chain Fatty Acids, Beneficial	7.1 *L	> 13.6	umol/g	
Butyrate	29.9	10.8 - 33.5	%	
Acetate	43.3 *L	44.5 - 72.4	%	
Propionate	6.4	0.0 - 32.0	%	
Valerate	20.4 *H	0.5 - 7.0	%	

GIT Functional Markers

Result Range Units

Methodology: FEIA, EIA, CLIA, pH electrode

Calprotectin.	8.0	0.0 - 50.0	ug/g	
Pancreatic Elastase	488.0	> 200.0	ug/g	
Secretory (slgA)	429.6 *L	510.0 - 2040.0	ng/mL	
Zonulin	18.0	0.0 - 107.0	ng/mL	
Beta glucuronidase	1163.3	368.0 - 6266.0	U/g	
Steatocrit	7.0	0.0 - 10.0	%	
a-Transglutaminase IgA	<20	0.0 - 100.0	units/L	
pH	7.2	6.3 - 7.7		

Microbiome Mapping Summary

Parasites & Worms

Bacteria & Viruses

Staphylococcus species

Fungi and Yeasts

Key Phyla Microbiota

Firmicutes:Bacteroidetes Ratio

0.22 < 1.00

RATIO



Relative Commensal Abundance of the 6 Phyla groups can be found on page 5 of this report



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PORT MACQUARIE NSW 2444

DELANEY RAYNE
08-Jan-1995 **Female**

28 JOSEPHINE BOULEVARD
HARRINGTON NSW 2427

LAB ID : 4019726
UR NO. : 6300639
Collection Date : 28-Aug-2024
Received Date: 03-Sep-2024



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Parasites and Worms.

Parasitic Organisms

Result	Range	Units	
<dl	< 1.0	x10 ⁵ org/g	●
<dl	< 1.0	x10 ⁵ org/g	●
<dl	< 1.0	x10 ⁵ org/g	●
<dl	< 1.0	x10 ⁵ org/g	●
<dl	< 1.0	x10 ⁵ org/g	●
<dl	< 1.0	x10 ⁵ org/g	●
<dl	< 5.0	x10 ⁵ org/g	●
<dl	< 1.0	x10 ⁵ org/g	●

Worms

Ancylostoma duodenale, Roundworm	Not Detected		
Ascaris lumbricoides, Roundworm	Not Detected	Necator americanus, Hookworm	Not Detected
Trichuris trichiura, Whipworm	Not Detected	Enterobius vermicularis, Pinworm	Not Detected
Enterocytozoon spp	Not Detected	Hymenolepis spp, Tapeworm	Not Detected
Strongyloides spp, Roundworm	Not Detected	Taenia species, Tapeworm	Not Detected

Comment: Not Detected results indicate the absence of detectable DNA in the sample for the worms reported.

NOTE: Reflex testing is performed on clinically indicated samples

Opportunistic Bacteria/Overgrowth

Result	Range	Units	
<dl	< 1.00	x10 ⁴ CFU/g	●
<dl	< 1.00	x10 ⁵ CFU/g	●
<dl	< 1.00	x10 ⁵ CFU/g	●
<dl	< 1.00	x10 ⁵ CFU/g	●
<dl	< 1.00	x10 ⁴ CFU/g	●
<dl	< 3.00	x10 ⁴ CFU/g	●
3.00 *H	< 1.00	x10 ³ CFU/g	●
<dl	< 5.00	x10 ³ CFU/g	●
<dl	< 3.00	x10 ⁴ CFU/g	●
<dl	< 1.00	x10 ⁶ CFU/g	●
<dl	< 1.00	x10 ⁴ CFU/g	●
0.47	< 1.00	x10 ⁶ CFU/g	●
3.72	< 5.00	x10 ⁶ CFU/g	●
<dl	< 1.00	x10 ⁵ CFU/g	●
<dl	< 18.00	x10 ⁶ CFU/g	●
<dl	< 5.00	x10 ⁵ CFU/g	●

Potential Autoimmune Triggers

<dl	< 5.00	x10 ⁴ CFU/g	●
<dl	< 5.00	x10 ⁴ CFU/g	●
<dl	< 5.00	x10 ³ CFU/g	●
<dl	< 5.00	x10 ⁵ CFU/g	●
<dl	< 1.00	x10 ⁹ CFU/g	●
<dl	< 5.00	x10 ⁵ CFU/g	●
<dl	< 1.00	x10 ⁴ CFU/g	●
<dl	< 10.00	x10 ⁴ CFU/g	●

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Mycology	Result	Range	Units
Candida dubliniensis.	<dl	< 1.00	x10 ⁵ CFU/g
Candida glabrata.	<dl	< 1.00	x10 ⁵ CFU/g
Candida intermedia.	<dl	< 1.00	x10 ⁵ CFU/g
Candida krusei.	<dl	< 1.00	x10 ⁵ CFU/g
Candida lambica.	<dl	< 1.00	x10 ⁵ CFU/g
Candida lusitanae.	<dl	< 1.00	x10 ⁵ CFU/g
Candida parapsilosis.	<dl	< 1.00	x10 ⁵ CFU/g
Candida albicans.	<dl	< 1.00	x10 ⁵ CFU/g
Candida famata.	<dl	< 1.00	x10 ⁵ CFU/g
Candida keyfr.	<dl	< 1.00	x10 ⁵ CFU/g
Candida lipolytica.	<dl	< 1.00	x10 ⁵ CFU/g
Geotrichum species.	<dl	< 1.00	x10 ⁵ CFU/g
Rhodotorula species.	<dl	< 1.00	x10 ⁵ CFU/g
Saccharomyces cerevisiae:	<dl	< 1.00	x10 ⁵ CFU/g

Bacterial Pathogens	Result	Range	Units
Aeromonas hydrophila.	<dl	< 1.00	x10 ³ CFU/g
Campylobacter species.	<dl	< 1.00	x10 ⁵ CFU/g
C. difficile, Toxin A	<dl	< 1.00	x10 ⁴ CFU/g
C. difficile, Toxin B	<dl	< 1.00	x10 ⁴ CFU/g
Enterohemorrhagic E. coli	<dl	< 1.00	x10 ⁵ CFU/g
Enteroinvasive E. coli/Shigella	<dl	< 1.00	x10 ³ CFU/g
Enterotoxigenic E. coli LT/ST	<dl	< 1.00	x10 ⁵ CFU/g
Shiga-like Toxin E. coli stx1	<dl	< 1.00	x10 ⁴ CFU/g
Shiga-like Toxin E. coli stx2	<dl	< 1.00	x10 ⁴ CFU/g
Salmonella species.	<dl	< 1.00	x10 ⁵ CFU/g
Vibrio species.	<dl	< 1.00	x10 ⁴ CFU/g
Yersinia species.	<dl	< 1.00	x10 ⁵ CFU/g
Helicobacter pylori	<dl	< 1.0	x10 ³ 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	Not Detected		
Norovirus GI/II	Not Detected		
Rotavirus A	Not Detected		
Sapovirus (I,II,IV,V)	Not Detected		
Astrovirus (hAstro)	Not Detected		



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Normal Bacterial GUT Flora	Result	Range	Units	
Bacteroides fragilis	1.0*L	1.6 - 250.0	x10 ⁵ CFU/g	
Bifidobacterium adolescentis	<dl*L	4.6 - 1000.0	x10 ⁵ CFU/g	
Bifidobacterium bifidum.	<dl*L	4.6 - 1000.0	x10 ⁶ CFU/g	
Bifidobacterium breve.	<dl*L	4.6 - 1000.0	x10 ³ CFU/g	
Bifidobacterium longum	7.0	4.6 - 1000.0	x10 ⁴ CFU/g	
Enterococcus species	11.6	1.9 - 2000.0	x10 ³ CFU/g	
Escherichia species	6219.2*H	3.7 - 3800.0	x10 ⁴ CFU/g	
Lactobacillus acidophilus.	<dl*L	1.7 - 500.0	x10 ³ CFU/g	
Lactobacillus casei.	<dl*L	1.7 - 500.0	x10 ³ CFU/g	
Lactobacillus delbrueckii	244.2	1.7 - 500.0	x10 ³ CFU/g	
Lactobacillus plantarum.	3.0	1.7 - 500.0	x10 ³ CFU/g	
Lactobacillus rhamnosus	4.4	1.7 - 500.0	x10 ³ CFU/g	
Lactobacillus salivarius	<dl*L	1.7 - 500.0	x10 ³ CFU/g	
Clostridium species	10.9	5.0 - 50.0	x10 ⁷ CFU/g	
Oxalobacter formigenes	<dl*L	> 5.00	x10 ⁶ CFU/g	
Akkermansia muciniphila	<dl*L	1.00 - 50.00	x10 ⁷ CFU/g	
Faecalibacterium prausnitzii	155.4*L	200.0 - 3500.0	x10 ⁶ CFU/g	

Actions

	L. plantarum HEAL9	L. paracasei 8700:2	L. plantarum 6595	L. plantarum 299V	L. rhamnosus GG	L. acidophilus LA02	B. animalis subsp. lactis BS01	L. casei LC03	B. breve BR03	L. fermentum LF08	L. crispatus strains	B. animalis subsp. lactis BA05	L. plantarum LP01	L. rhamnosus LR06	B. longum 04	L. fermentum LF16	L. salivarius LS01	B. breve B632	L. fermentum LF10	L. salivarius LS03	L. helveticus Rosell-52	L. rhamnosus Rosell-11	B. longum Rosell-75	S. boulardii CNCM I-1079	S. thermophilus FP4
Intestinal epithelial barrier health																									
Mucous membrane health																									
Normalisation of bowel movements																									
Normalisation of bloating																									
Normalisation of peristalsis																									
Autoimmune immunomodulation																									
Inhibition of pathogenic overgrowth																									
Inactivate microbial toxins																									
Increase infection resistance																									
Th1/Th2 immune cell modulation																									
Staphylococci inhibition																									
Gut-brain axis support																									
GABA production																									
Bone resorption inhibition																									
E. coli inhibition																									
Oxalate degradation																									