

# Sample Client

Date of Birth **01 Jan 1900**

Sex **Other**

Report ID **R123030001253**

Sampling **12:30am on 18 July 2023**

Report Released on **12:30am on 19 July 2023**

# Diversity

INSIGHTS 7

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Sample

METAXPLORE™ GI PLUS

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## Microbial Markers

RESEARCH USE ONLY  
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Marker	Relative Abundance	Distance from Average
Microbial Diversity	 ND 3.50	-1.29
Microbial Richness	 ND 127.00	-1.39

The Faecal Occult Blood, Quantitative Polymerase Chain Reaction (QPCR) And Enzyme-Linked Immunosorbent Assays (ELISA) Used In The MetaXplore™ Range Are Diagnostic And Are Approved For Clinical Use.

The Metagenomic Assays Used In The MetaXplore™ Range Are To Determine The Microbiome Populations And Associated Functional Pathways In A Faecal Sample. The Application Is For Research Use Only And Not To Be Used As A Basis For Diagnosis.

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# Intestinal Motility

INSIGHTS 7

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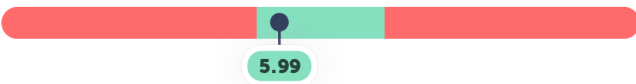
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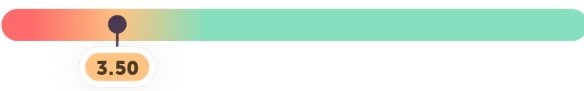


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## Gastrointestinal Health Markers

Marker	Result	Reference Range
Faecal pH <small>RESEARCH USE ONLY NOT FOR DIAGNOSTIC USE</small>	ND  5.99	5.70 - 7.30

## Microbial Markers

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Marker	Relative Abundance	Distance from Average
Methane producing archaea 	 0.00%	
Microbial Diversity	ND  3.50	-1.29
Propionate producing microbes 	ND  6.79%	+0.98

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# Intestinal Inflammation

INSIGHTS 15

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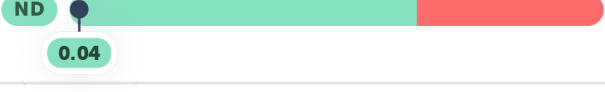
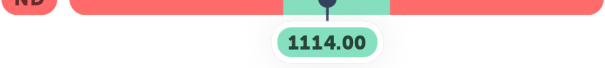
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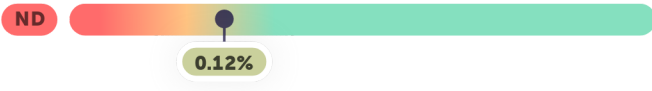

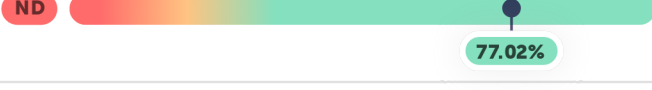

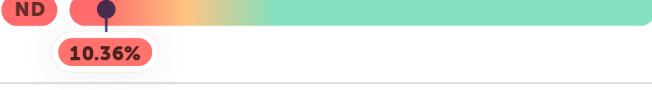

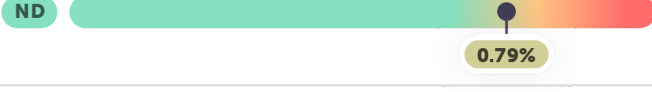
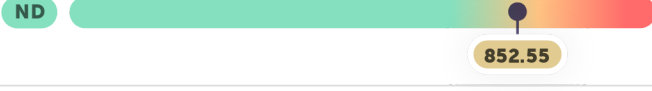


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## Gastrointestinal Health Markers

Marker	Result	Reference Range
Calprotectin	ND  <b>13.84</b>	<= 50.00 µg/g
Faecal Occult Blood	 <b>NOT DETECTED</b>	
Lactoferrin	ND  <b>0.04</b>	<= 7.20 µg/g
Secretory IgA	ND  <b>1114.00</b>	500.00 µg/g - 2,000.00 µg/g

## Microbial Markers

RESEARCH USE ONLY  
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Marker	Relative Abundance	Distance from Average
IPA producing microbes 	ND  <b>0.12%</b>	-1.02
Acetate producing microbes 	ND  <b>77.02%</b>	+1.09
Butyrate producing microbes 	ND  <b>10.36%</b>	-1.99
Hexa-LPS producing microbes 	ND  <b>0.79%</b>	+1.06
Mucin Degradation	ND  <b>852.55</b>	+1.13
Propionate producing microbes 	ND  <b>6.79%</b>	+0.98

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# Intestinal Barrier

INSIGHTS 16

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## Gastrointestinal Health Markers

Marker	Result	Reference Range
Secretory IgA	<p>ND 1114.00</p>	500.00 µg/g - 2,000.00 µg/g
Zonulin	<p>ND 70.00</p>	<= 100.00 µg/ml

## Microbial Markers

RESEARCH USE ONLY  
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Marker	Relative Abundance	Distance from Average
IPA producing microbes <sup>+</sup>	<p>ND 0.12%</p>	-1.02
B. fragilis toxin producing microbes <sup>-</sup>	<p>ND 0.00%</p>	-0.90
Butyrate producing microbes <sup>+</sup>	<p>ND 10.36%</p>	-1.99
Hexa-LPS producing microbes <sup>-</sup>	<p>ND 0.79%</p>	+1.06
Hydrogen sulphide producing microbes <sup>+</sup>	<p>ND 11.84%</p>	+0.98

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# Systemic Inflammation

INSIGHTS 33

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## Microbial Markers

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Marker	Relative Abundance	Distance from Average
IPA producing microbes <span style="color: green;">+</span>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">ND</div> </div> <p style="text-align: center; margin-top: 5px;">0.12%</p>	-1.02
BCAA producing microbes <span style="color: red;">-</span>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">ND</div> </div> <p style="text-align: center; margin-top: 5px;">64.45%</p>	+0.78
Butyrate producing microbes <span style="color: green;">+</span>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">ND</div> </div> <p style="text-align: center; margin-top: 5px;">10.36%</p>	-1.99
Hexa-LPS producing microbes <span style="color: red;">-</span>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">ND</div> </div> <p style="text-align: center; margin-top: 5px;">0.79%</p>	+1.06
Microbial Diversity	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">ND</div> </div> <p style="text-align: center; margin-top: 5px;">3.50</p>	-1.29
Trimethylamine producing microbes <span style="color: red;">-</span>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">ND</div> </div> <p style="text-align: center; margin-top: 5px;">8.79%</p>	+2.44

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# Detox / Retox

INSIGHTS 0

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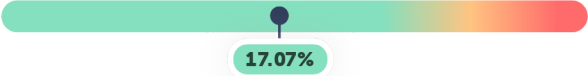

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## Microbial Markers

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Marker	Relative Abundance	Distance from Average
Beta-glucuronidase producing microbes <span>-</span>	ND  17.07%	-0.11
Oxalate consuming microbes <span>+</span>	ND  4.74%	+1.31

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# Digestive Secretions

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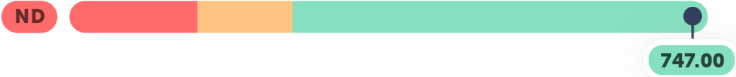
Sex **Other**

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## Gastrointestinal Health Markers

Marker	Result	Reference Range
Pancreatic Elastase	ND 	$\geq 200.00 \mu\text{g/ml}$

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# Emerging Metabolites

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## Microbial Markers

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Marker	Relative Abundance	Distance from Average
Ammonia (urease) producing microbes	<p>ND 11.03%</p>	+1.26
GABA consuming microbes	<p>ND 19.92%</p>	+2.00
GABA producing microbes	<p>ND 25.44%</p>	+0.66
Histamine producing microbes	<p>ND 0.69%</p>	+0.42
Human DNA	<p>ND 0.61%</p>	+0.72
Lactate producing microbes	<p>ND 81.53%</p>	+1.51
Vitamin K producing microbes	<p>ND 15.16%</p>	-0.13

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# Targeted Pathogen Panel

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## Parasitic

Marker	Result
Cryptosporidium spp.	NOT DETECTED
Cyclospora cayetanensis	NOT DETECTED
Dientamoeba fragilis	NOT DETECTED
Entamoeba histolytica	NOT DETECTED
Giardia lamblia	NOT DETECTED

## Bacterial

Marker	Result
Aeromonas spp.	NOT DETECTED
Campylobacter spp.	NOT DETECTED
Clostridium difficile toxin B	NOT DETECTED
E. coli O157	NOT DETECTED
Enteroggregative E. coli(EAEC)	NOT DETECTED
Enteropathogenic E. coli(EPEC)	NOT DETECTED
Enterotoxigenic E. coli(ETEC)	NOT DETECTED
Hypervirulent Clostridium difficile	NOT DETECTED
Salmonella spp.	NOT DETECTED
Shiga Toxin	NOT DETECTED
Shigella spp./EIEC	NOT DETECTED
Vibrio spp.	NOT DETECTED
Yersinia enterocolitica	NOT DETECTED

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