

Meggin Brockbank

Date of Birth **04 Apr 1992**

Sex **Female**

Report ID **R123090002218**

Sampling **10:20pm on 21 August 2023**

Report Released on -

Microbial Markers

RESEARCH USE ONLY
NOT FOR DIAGNOSTIC USE

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METAXPLORE™ GI PLUS

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Marker	Relative Abundance	Distance from Average
Microbial Diversity	<div><div>ND</div><div><div></div><div>4.26</div></div></div>	+0.42
Microbial Richness	<div><div>ND</div><div><div></div><div>212.00</div></div></div>	+0.32

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.

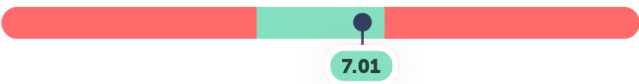
The MetaXplore™ Testing Range Has Been Developed For Adults 18 Years Or Older And The Microbiome Results Will Be Compared To A Cohort Of Healthy Adults. The Clinical And Research Insights Within The Report Are Based On The Assessment Of The Scientific Literature In Adults Over 18 Years Of Age.

Intestinal Motility

INSIGHTS 9


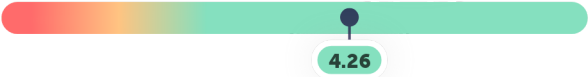

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Gastrointestinal Health Markers

Marker	Result	Reference Range
Faecal pH	ND 	5.70 - 7.30
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Microbial Markers

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Marker	Relative Abundance	Distance from Average
Methane producing archaea -	ND 	+0.89
Microbial Diversity	ND 	+0.42
Propionate producing microbes +	ND 	-0.73

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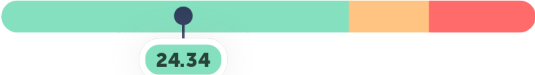


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Intestinal Inflammation

INSIGHTS 11




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Gastrointestinal Health Markers

Marker	Result	Reference Range
Calprotectin	ND  24.34	<= 50.00 µg/g
Faecal Occult Blood	NOT DETECTED	
Lactoferrin	ND  0.12	<= 7.20 µg/g
Secretory IgA	ND  90.33	500.00 µg/g - 2,000.00 µg/g

Microbial Markers

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Marker	Relative Abundance	Distance from Average
IPA producing microbes +	ND  0.04%	-1.95
Acetate producing microbes +	ND  72.83%	+0.55
Butyrate producing microbes +	ND  21.23%	+0.63
Hexa-LPS producing microbes -	 0.00%	
Mucin Degradation	ND  511.90	-0.88
Propionate producing microbes +	ND  2.18%	-0.73

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Intestinal Barrier

INSIGHTS 6

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Gastrointestinal Health Markers

Marker	Result	Reference Range
Secretory IgA	ND 90.33	500.00 µg/g - 2,000.00 µg/g
Zonulin	ND 6.55	<= 100.00 µg/ml

Microbial Markers

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Marker	Relative Abundance	Distance from Average
IPA producing microbes +	ND 0.04%	-1.95
B. fragilis toxin producing microbes -	0.00%	
Butyrate producing microbes +	ND 21.23%	+0.63
Hexa-LPS producing microbes -	0.00%	
Hydrogen sulphide producing microbes +	ND 7.84%	-0.14

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Systemic Inflammation

INSIGHTS 3

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Marker	Relative Abundance	Distance from Average
IPA producing microbes +	<div><div>ND</div><div>0.04%</div></div>	-1.95
BCAA producing microbes -	<div><div>ND</div><div>61.65%</div></div>	+0.52
Butyrate producing microbes +	<div><div>ND</div><div>21.23%</div></div>	+0.63
Hexa-LPS producing microbes -	<div><div>0.00%</div></div>	
Microbial Diversity	<div><div>ND</div><div>4.26</div></div>	+0.42
Trimethylamine producing microbes -	<div><div>ND</div><div>2.79%</div></div>	+0.07

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Detox / Retox

INSIGHTS 0

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Microbial Markers

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Marker	Relative Abundance	Distance from Average
Beta-glucuronidase producing microbes -	<div><div>ND</div><div><div></div><div>12.65%</div></div></div>	-0.85
Oxalate consuming microbes +	<div><div>ND</div><div><div></div><div>0.81%</div></div></div>	-0.65

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Digestive Secretions

INSIGHTS 0

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Gastrointestinal Health Markers

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Marker	Result	Reference Range
Pancreatic Elastase	<div><div>ND</div><div><div></div><div></div><div></div></div><div>136.96</div></div>	>= 200.00 µg/ml

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Emerging Metabolites

INSIGHTS 0

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Marker	Relative Abundance	Distance from Average
Ammonia (urease) producing microbes	<div><div>ND</div><div><div></div><div>8.18%</div></div></div>	+0.66
GABA consuming microbes	<div><div>ND</div><div><div>3.68%</div><div></div></div></div>	-1.21
GABA producing microbes	<div><div>ND</div><div><div>8.39%</div><div></div></div></div>	-1.07
Histamine producing microbes	<div><div>ND</div><div><div></div><div>0.51%</div></div></div>	+0.20
Human DNA	<div><div>ND</div><div><div>0.03%</div><div></div></div></div>	-0.99
Lactate producing microbes	<div><div>ND</div><div><div></div><div>71.07%</div></div></div>	+0.30
Vitamin K producing microbes	<div><div>ND</div><div><div></div><div>14.82%</div></div></div>	-0.18

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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
Enteraggregative 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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