

FUNCTIONAL PATHOLOGY

1868 DANDENONG ROAD CLAYTON VIC 3168 PH: 1300 554 480

PATIENT: MR JOHN DOE ABCD ROAD CLAYTON VIC 3168 PH: 0399999999 DOB: 01/01/1980 UR#:	REQUEST DETAILS: LAB REF: 16-4801008-CDS-0 REFERRED: 27/07/19 COLLECTED: 02/08/19 NS REPORTED: 10/08/19 13:15 TESTED: 05/08/2019 BATCH: 0 2	DR SAMPLE DOCTOR 1868 DANDENONG ROAD CLAYTON VIC 3168
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COMPLETE DIGESTIVE STOOL ANALYSIS
SPECIMEN: Faeces

Date	02/08/2019
Collection Time	NS
Request	16-4801008

Macroscopic Appearance		Reference Range
Colour	Brown	
Consistency	Loose	
Fibres	3+**	< 3
Food Remnants	3+**	< 3
Mucus	Nil	< 2

Microscopic Appearance		Reference Range
Starch Cells	1+**	< 1
Meat Fibres	Nil	< 1
Vegetable Fibres	Nil	< 3
Fat Globules	2+**	< 1
Red Cells	Nil	< 1
White Cells	Nil	< 2
Yeasts - Microscopy	Nil	< 1

Short Chain Fatty Acids			Units	Reference Range
Total Short Chain Fatty Acids	186		umol/g	50 - 200
Butyrate	49**		umol/g	10 - 30
SCFA distribution: Acetate	54		%	54 - 67
SCFA distribution: Propionate	18		%	16 - 24
SCFA distribution: Butyrate	28*		%	14 - 23

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ALL TESTS COMPLETE

PANEL CODES: CDS-R,FSS-R,CD4-R

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PATIENT: MR JOHN DOE ABCD ROAD CLAYTON VIC 3168 PH: 0399999999 DOB: 01/01/1980 UR#: SEX: MALE REF: 123456-7890	REQUEST DETAILS: LAB REF: 16-4801008-CDS-0 REFERRED: 27/07/19 COLLECTED: 02/08/19 NS REPORTED: 10/08/19 13:15 TESTED: 05/08/2019 BATCH: 0 2	DR SAMPLE DOCTOR 1868 DANDENONG ROAD CLAYTON VIC 3168
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Biochemistry			Units	Reference Range
Valerate/isoButyrate	13*		umol/g	< 11
Faecal pH	6.4			
Pancreatic Elastase	> 500		ug/g	> 199
Tryglycerides	0.8*		g/100g	< 0.5
Cholesterol	0.6*		g/100g	< 0.5

Parasitology	
Sample 2:	
Collection	02/08/19
Concentrate	No ova, cysts or parasites detected.
Sample 3:	
Collection	02/08/19
Concentrate	No ova, cysts or parasites detected.

Culture	
Strep/Enterococci	3+
E. coli	2+**
Bifidobacterium sp.	Nil**
Lactobacilli	Nil**

Other organisms identified		
	Organism	Quantification
Org 1	Klebsiella variicola	3+

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Antimicrobial susceptibility

	Org 1
Barberry	Resistant
Bearberry	Sensitive
Black Walnut	Resistant
Chinese Wormwood	Resistant
Citrus Seed Extract	Sensitive
Golden Seal	Resistant
Myrrh	Resistant
Pau D'arco	Resistant

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Comments:
Dysbiosis factor : 7. (Expected range 1 - 3)

Elevated fibres present may indicate maldigestion

Elevated food remnants may indicate maldigestion

Presence of starch cells may indicate decreased carbohydrates fermentation or pancreatic insufficiency

Presence of fat globules present in the stool may indicate fat maldigestion

Elevated N-Butyrate may indicate low (acidic pH), rapid transit time, diarrhoea, carbohydrate intolerance, a diet high in refined carbohydrates or small bowel bacterial overgrowth (SIBO).

Elevated Valerate-Butyrate may indicate protein maldigestion (arising from hypochlorhydria or pancreatic insufficiency), malabsorption (especially if other markers of malabsorption present) or bowel bacterial overgrowth (SIBO).

Elevated triglycerides may indicate hypochlorhryia, pancreatic insufficiency or bile salt insufficiency.

Faecal cholesterol is derived from both dietary sources & mucosal epithelial cell breakdown. Levels tend to remain constant despite fluctuating dietary intake. Elevated cholesterol may indicate malabsorption & rapid cell turnover.

Reduced numbers of E.coli indicates microbial imbalance. Probiotic therapy is recommended.

The absence of Lactobacilli indicates microbial imbalance. Probiotic therapy is recommended

The absence of Bifidobacterium species indicates microbial imbalance. Probiotic therapy is recommended

NATA accreditation does not cover the performance of this service.

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ALL TESTS COMPLETE

PANEL CODES: CDS-R,FSS-R,CD4-R