

FUNCTIONAL PATHOLOGY
1868 DANDENONG ROAD CLAYTON VIC 3168 PH: 1300 554 480

PATIENT:
SAMPLE RA PATIENT
ABCD ROAD
CLAYTON VIC 3168
PH:
DOB: 01/01/1980 SEX: MALE
UR#: REF:

REQUEST DETAILS:
LAB REF: 16-4801008-CDS-0
REFERRED: 05/01/16
COLLECTED: 02/02/16 NS
REPORTED: 13/10/16 13:15
TESTED: 04/02/16
BATCH: 0 2

V25
Dr SAMPLE DOCTOR
PRIVATE BAG 0000

CLAYTON VIC 3168

COMPLETE DIGESTIVE STOOL ANALYSIS

SPECIMEN: Faeces

Date	02/02/2016
Collection Time	NS
Request	16-4801008

Macroscopic Appearance

Reference Range

Colour	Brown		
Consistency	Loose		
Fibres	1+		< 3
Food Remnants	1+		< 3
Mucus	Nil		< 2

Microscopic Appearance

Reference Range

Starch Cells	Nil		< 1
Meat Fibres	Nil		< 1
Vegetable Fibres	Nil		< 3
Fat Globules	Nil		< 1
Red Cells	Nil		< 1
White Cells	Nil		< 2
Yeasts - Microscopy	Nil		< 1

FUNCTIONAL PATH

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

Biochemistry

Units Reference Range

Valerate/isoButyrate	13*		umol/g	< 11
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PANEL CODES: CDS-R,FSS-R,CD4-R

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Faecal pH	6.4			
Pancreatic Elastase	> 500		ug/g	> 199
Tryglicerides	0.8*		g/100g	< 0.5
Cholesterol	0.6*		g/100g	< 0.5

Parasitology

Sample 1:

Collection	31/01/16
Wet Prep	No ova, cysts or parasites detected.
Concentrate	No ova, cysts or parasites detected.
Fixed Smear	No Cryptosporidia or Giardia detected.

Sample 2:

Collection	01/02/16
Concentrate	No ova, cysts or parasites detected.

Sample 3:

Collection	02/02/16
Concentrate	No ova, cysts or parasites detected.

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Culture

Strep/Enterococci	3+	
E. coli	2+**	
Bifidobacterium sp.	4+	
Lactobacilli	2+**	

Other organisms identified

Organism	Quantification
Org 1 Enterobacter species	4+

Antimicrobial susceptibility

	Org 1
Barberry	Resistant
Bearberry	Resistant
Black Walnut	Resistant
Chinese Wormwood	Resistant
Citrus Seed Extract	Sensitive
Golden Seal	Resistant

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Comments:

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

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).

Reduced numbers of Lactobacilli indicates microbial imbalance. Probiotic therapy is recommended.

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).

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

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.

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

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Comments cont.

NATA accreditation does not cover the performance of this service.

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