

Dr Test Doctor Test Clinic. 123 Test Street, Test Suburb Victoria 3125

Lab ID
Patient ID P000064
Ext ID 25147-0080

Test Patient

Sex: Male • 55yrs • 01-Jan-70
123 Home Street, Test Suburb VIC 3125

RECEIVED
27-May-25

SIBO Test - Lactulose, 3 hour

Specimen type - Breath

Collected

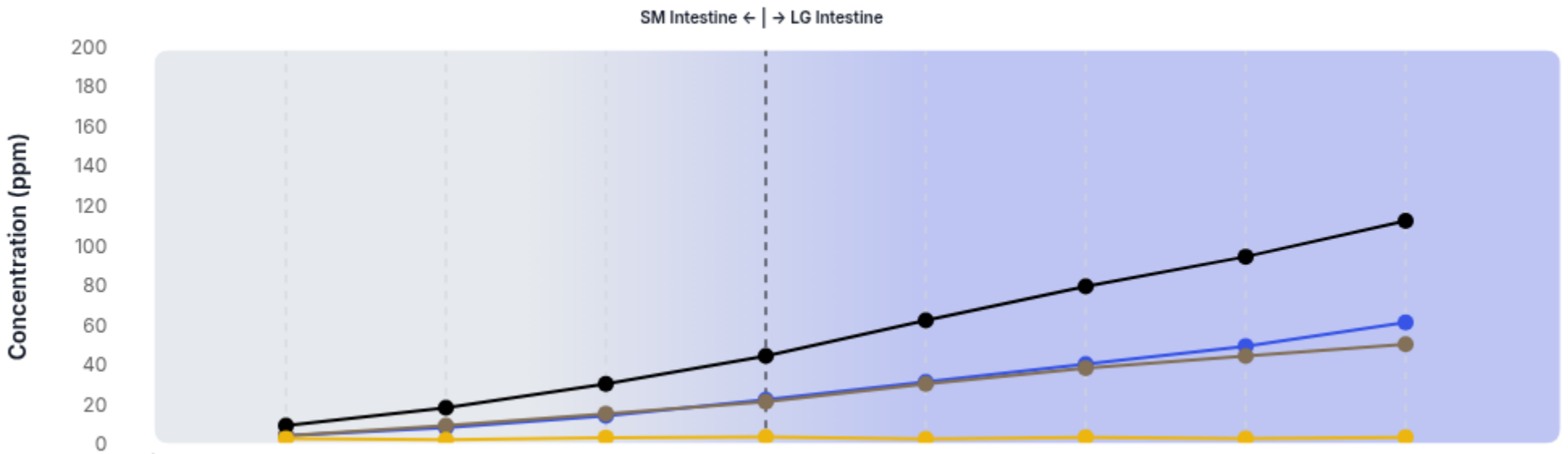
10-May-25 08.20am, 08.50am, 09.15am, 09.40am, 10.00am, 10.30am, 10.55am, 11.20am

SERVICE

RESULT

SIBO SUBSTRATE

LACTULOSE



Sample No.

S1

S2

S3

S4

S5

S6

S7

S8

Actual Time

08:20

08:50

09:15

09:40

10:00

10:30

10:55

11:20

Actual Interval

0m

30m

55m

80m

100m

130m

155m

180m

H2

5

9

15

23

32

41

50

62

CH4

5

10

16

22

31

39

45

51

H2+CH4

10

19

31

45

63

80

95

113

CO2

3.6

2.9

4.0

4.3

3.3

4.2

3.6

4.2

Evaluation for Hydrogen (H₂)

Hydrogen increase over baseline by 90 minutes

Change in H₂ 18

Expected value
< 20 ppm

A rise of >= 20ppm from baseline in hydrogen by 90 min should be considered a positive test to suggest the presence of SIBO

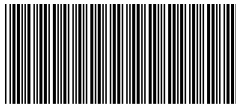
Evaluation for Methane (CH₄)

Peak methane level at any point

CH₄ Peak 51 H

Expected value
< 10 ppm

A peak methane level >= 10 ppm at any point is indicative of a methane-positive rise



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27-May-25

SIBO Test Comment

GENERAL CONSIDERATIONS FOR BREATH TESTING

Small Intestinal Bacterial Overgrowth (SIBO) is a heterogeneous syndrome characterised by an increase in the number and/or the presence of atypical microbiota in the small intestine. The SIBO breath test relies on measurement of gases (Hydrogen and Methane) produced by microbiota in the intestine following ingestion of lactulose, fructose or glucose in a fasting state.

The test also measures Carbon Dioxide (CO₂) as an indicator of correct collection procedure. Carbon Dioxide levels exceeding acceptable limits ($\leq 2.0\%$) indicate room air contamination likely at the time of sample collection. The integrity of these samples is then questionable and results should be designated as Non-Reportable.

FALSE POSITIVES:

Falsely elevated findings may result from incorrect preparation for performing the SIBO test, incomplete avoidance of high-fibre foods, residual fibre in the intestine due to delayed transit time, residual oropharyngeal (mouth and throat) bacteria, and exposure to tobacco smoke, or napping during collection.

FALSE NEGATIVES:

A breath test finding with low Methane and no Hydrogen throughout the entire test may to be due to an abundance of hydrogen sulfide-producing bacteria, which compete for available hydrogen for production of the hydrogen sulphide gas. For this reason, Methane is measured to rule out false negative hydrogen results.

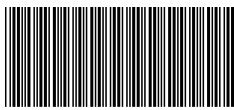
REPORT INTERPRETATION:

SIBO Test results need to be viewed in terms of Hydrogen production, Methane production and Total Hydrogen and Methane production. A rise in Hydrogen of >20 ppm over baseline in the first 90 minutes of testing, is considered SIBO-Positive. A peak methane level >10 ppm at any point indicates a methane-positive result, and is considered SIBO-Positive. A rise in the combined gases (Hydrogen and Methane) level over baseline of 12 - 32 ppm is indicative of a mild SIBO condition, whilst a level of 33 ppm or greater is indicative of a severe SIBO condition.

ACCREDITATION SCOPE: Please note that the above test is currently not under the laboratory's scope of accreditation.

Methodology

QuinTron BreathTracker (Solid-state sensors + CO₂ normalisation)



Dr Test Doctor Test Clinic. 123 Test Street, Test Suburb Victoria 3125

Lab ID
Patient ID PAT-100009
Ext ID 25147-0084

Test Patient

Sex: Female • 45yrs • 01-Jan-80
123 Home Street, Test Suburb Vic 3125

RECEIVED
27-May-25

SIBO Test - Glucose, 3 hour

Specimen type - Breath

Collected

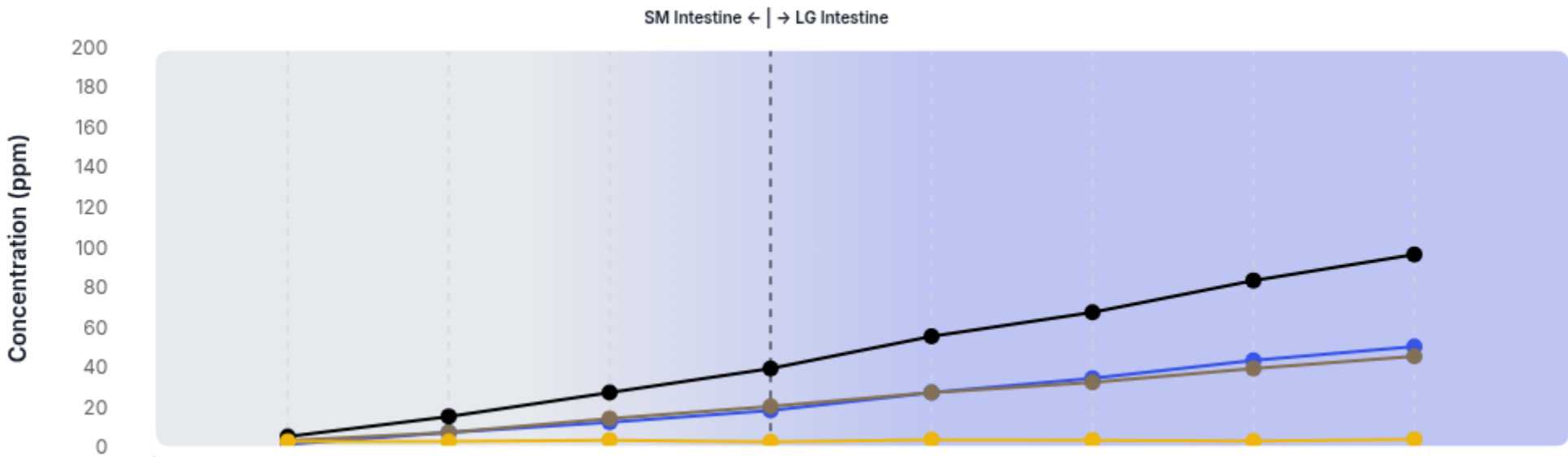
15-May-25 06.30am, 07.05am, 07.20am, 07.40am, 08.15am, 08.45am, 09.10am, 09.30am

SERVICE

SIBO SUBSTRATE

RESULT

GLUCOSE



Sample No.	S1	S2	S3	S4	S5	S6	S7	S8
Actual Time	06:30	07:05	07:20	07:40	08:15	08:45	09:10	09:30
Actual Interval	0m	35m	50m	70m	105m	135m	160m	180m
H2	2	8	13	19	28	35	44	51
CH4	4	8	15	21	28	33	40	46
H2+CH4	6	16	28	40	56	68	84	97
CO2	3.6	3.5	4.2	3.3	4.4	4.2	3.7	4.6

Evaluation for Hydrogen (H₂)

Hydrogen increase over baseline by 90 minutes

Change in H₂ 17

Expected value
< 20 ppm

A rise of >= 20ppm from baseline in hydrogen by 90 min should be considered a positive test to suggest the presence of SIBO

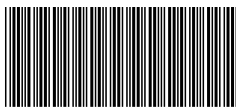
Evaluation for Methane (CH₄)

Peak methane level at any point

CH₄ Peak 46 H

Expected value
< 10 ppm

A peak methane level >= 10 ppm at any point is indicative of a methane-positive rise



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SIBO Test Comment

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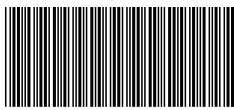
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Dr Test Doctor Test Clinic. 123 Test Street, Test Suburb Victoria 3125

Lab ID
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Ext ID 25147-0082

Test Patient

Sex: Female • 45yrs • 01-Jan-80
123 Home Street, Test Suburb Vic 3125

RECEIVED
27-May-25

SIBO Test - Fructose, 3 hour

Collected

Specimen type - Breath

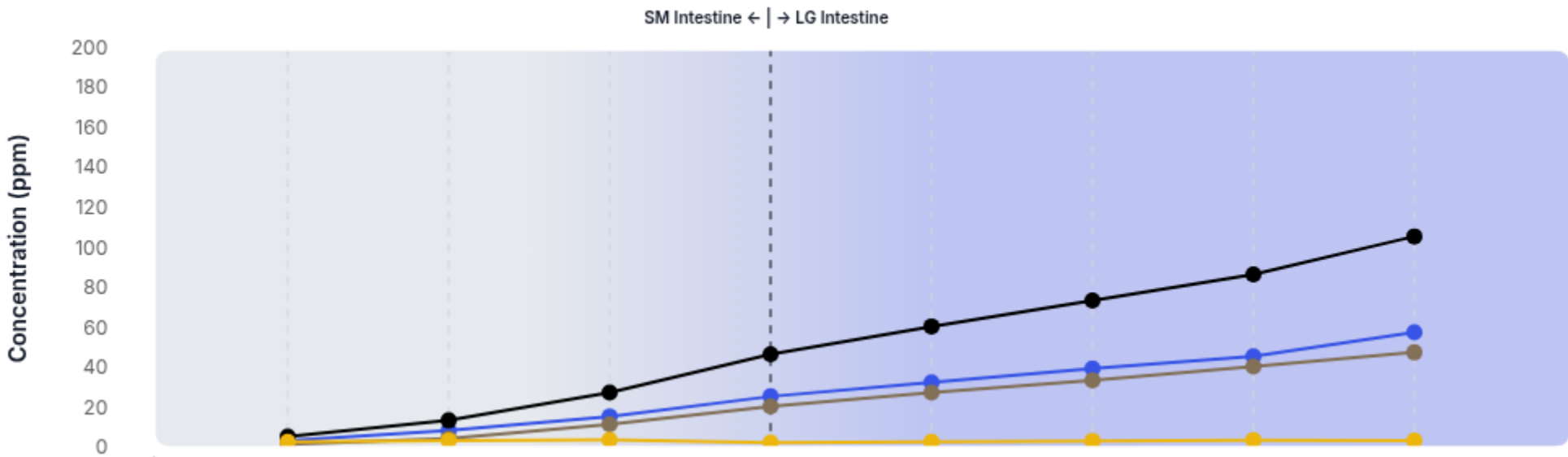
10-May-25 07:40am, 08.05am, 08.40am, 09.00am, 09.30am, 09.55am, 10.25am, 11.55am

SERVICE

SIBO SUBSTRATE

RESULT

FRUCTOSE



Sample No.

Actual Time

Actual Interval

H2

CH4

H2+CH4

CO2

S1

S2

S3

S4

S5

S6

S7

S8

07:40

08:05

08:40

09:00

09:30

09:55

10:25

11:55

0m

25m

60m

80m

110m

135m

165m

255m

4

9

16

26

33

40

46

58

2

5

12

21

28

34

41

48

6

14

28

47

61

74

87

106

3.2

4.0

4.3

2.9

3.2

3.8

4.2

3.9

Evaluation for Hydrogen (H₂)

Hydrogen increase over baseline by 90 minutes

Change in H₂ **22 H**

Expected value
< 20 ppm

A rise of >= 20ppm from baseline in hydrogen by 90 min should be considered a positive test to suggest the presence of SIBO

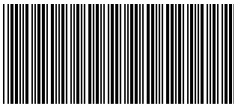
Evaluation for Methane (CH₄)

Peak methane level at any point

CH₄ Peak **48 H**

Expected value
< 10 ppm

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