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Viva Health Laboratories

Small Intestinal Bacterial Overgrowth (SIBO) Report

Customer ID: PO13884WA27560

Collection date: 04-12-2023

Requester/Doctor:

Received Date: 04-12-2023

Customer Address: Viva Health Laboratories Windsor Berkshire SL4 4RR

Answer report date: 04-12-2023

Patient Name: Sample Report

Date of Birth: 05-12-1982

Sample ID:

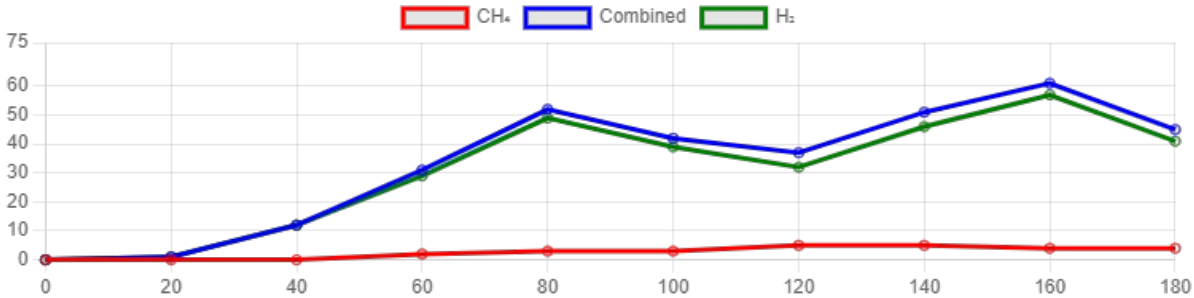
Summary Report of Hydrogen and Methane Breath Analysis with Carbon Dioxide Correction

Gas Analysed	Patient Result 0-100 mins	Expected difference 0-100 mins
Increase in Hydrogen (H_2)	49	< 20
Increase in Methane (CH_4)	3	< 12
Increase in Combined H_2 & CH_4	52	< 15

Analysis of data suggests:
Results indicate small intestinal bacterial overgrowth

Small Intestinal Bacterial Overgrowth (SIBO) Hydrogen and Methane Breath after Lactulose consumption

Number	Expected Location	Interval	ppm H_2	ppm CH_4	Combined	% CO_2	fCO_2[1]
1	Small Intestine	Baseline	0	0	0	3.9	1.4
2		20 min	1	0	1	3.7	1.5
3		40 min	12	0	12	4.1	1.3
4		60 min	29	2	31	3.8	1.4
5		80 min	49	3	52	3.9	1.4
6		100 min	39	3	42	4.1	1.3
7	Transition	120 min	32	5	37	4.0	1.4
8	Large Intestine	140 min	46	5	51	3.6	1.5
9		160 min	57	4	61	3.8	1.4
10		180 min	41	4	45	3.9	1.4



Time (Min)	0	20	40	60	80	100	120	140	160	180
H_2	0	1	12	29	49	39	32	46	57	41
CH_4	0	0	0	2	3	3	5	5	4	4
Combined	0	1	12	31	52	42	37	51	61	45
CO_2 (%)	3.9	3.7	4.1	3.8	3.9	4.1	4.0	3.6	3.8	3.9
fCO_2[1]	1.4	1.5	1.3	1.4	1.4	1.3	1.4	1.5	1.4	1.4

Additional Comment

[1]CO2 Correction factor is a relative indicator for quality of the alveolar breath sample collected, where the closer to 1 the correction factor is, the greater the concentration of breath. All reported results fall within acceptable breath CO2 levels.

[2]12 ppm of CH4 with clinicial details of constipation may be suggestive of small intestinal bacterial overgrowth.

[3]An increase in combined Hydrogen (H_2) and Methane (CH_4)of 15ppm or more may be suggestive of small intestinal bacterial overgrowth.

Drossman, DA. The functional gastrointestinal disorders and Rome III process. In: Drossman DA, Corazziari E, Delvaux M, Spiller R, Talley NJ, Thompson WG, et. al., eds. Rome III: The Functional Gastrointestinal Disorders. 3rd ed. McLean VA: Degnon Associates; 2006: 1-30.

Drossman DA. The functional gastrointestinal disorders and the Rome III process. Gastroenterology. 2006; 130: 1377-90.