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Small Intestinal Bacterial Overgrowth (SIBO) Report - Glucose Challenge

Customer ID:
Customer Address:

Requester/Doctor:

Patient Name: **Sample Report**
Date of Birth:
Sample ID:

Collection date:
Received date:
Answer report date:

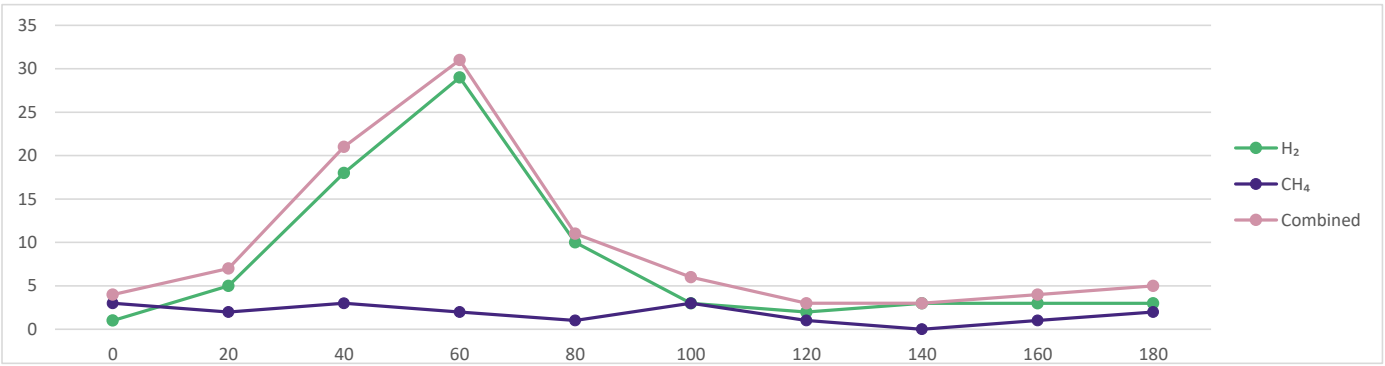
Summary Report of Hydrogen and Methane Breath Analysis with Carbon Dioxide Correction

Gases Analysed	Patient Result 0 - 100 mins	Expected difference 0 - 100 mins
Increase in Hydrogen (H_2)	28	< 12
Increase in Methane (CH_4)	2	< 12
Increase in Combined H_2 & CH_4	27	< 12

Analysis of data suggests:
Results indicate small intestinal bacterial overgrowth

Small Intestinal Bacterial Overgrowth (SIBO) Hydrogen and Methane Breath following Oral 75g Glucose Challenge

Number	Expected Location	Interval	ppm H_2	ppm CH_4	Combined	% CO_2	fCO_2[1]
1	Small Intestine	Baseline	1	3	4	3.5	1.57
2		20 min	5	2	7	3.9	1.41
3		40 min	18	3	21	3.8	1.45
4		60 min	29	2	31	4.1	1.34
5		80 min	10	1	11	3.6	1.53
6		100 min	3	3	6	3.5	1.57
7	Transition	120 min	2	1	3	3.6	1.53
8	Large Intestine	140 min	3	0	3	4.2	1.31
9		160 min	3	1	4	4.1	1.34
10		180 min	3	2	5	3.9	1.41



Time (Min)	0	20	40	60	80	100	120	140	160	180
H_2	1	5	18	29	10	3	2	3	3	3
CH_4	3	2	3	2	1	3	1	0	1	2
Combined	4	7	21	31	11	6	3	3	4	5
CO_2 (%)	3.5	3.9	3.8	4.1	3.6	3.5	3.6	4.2	4.1	3.9
fCO_2[1]	1.57	1.41	1.45	1.34	1.53	1.57	1.53	1.31	1.34	1.41

[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 clinical 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.