

PATIENT: Sample Report
TEST REF: TST-##-####

TEST NUMBER: #####
 PATIENT NUMBER: #####
 GENDER: Male
 AGE: 32
 DATE OF BIRTH: dd-mm-yyyy

COLLECTED: dd/mm/yyyy
 RECEIVED: dd/mm/yyyy
 TESTED: dd/mm/yyyy

PRACTITIONER:
 ADDRESS:

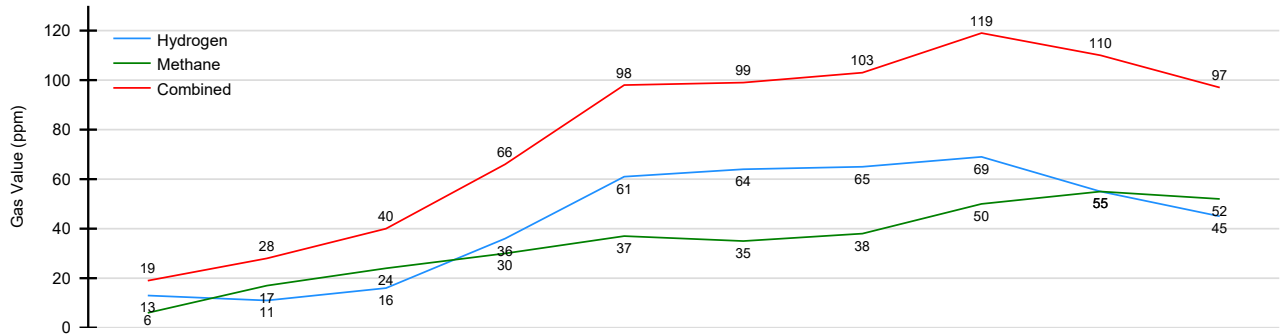
TEST NAME: Small Intestinal Bacterial Overgrowth (SIBO)
Summary Report of Hydrogen & Methane Breath Analysis with Carbon Dioxide Correction

 Sample Normalization¹

Gases Analyzed	Patient Result	Expected
Increase in Hydrogen (H ₂)	54 ppm (high)	< 20 ppm
Increase in Methane (CH ₄)	32 ppm (high)	< 12 ppm (< 3 ppm ²)
Increase in combined H ₂ & CH ₄	86 ppm (high)	< 15 ppm ³

Analysis of the data suggests	Bacterial overgrowth is suspected ^{2,3,4}
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Number	Expected Location	Collection Interval	ppm H ₂	ppm CH ₄	Combined	ppm CO ₂	fCO ₂
1	Small Intestine	Baseline	13	6	19	3.4	1.61
2		20 Min.	11	17	28	3.5	1.57
3		40 Min.	16	24	40	3.4	1.48
4		60 Min.	36	30	66	3.6	1.52
5		80 Min.	61	37	98	3.4	1.61
6		100 Min.	64	35	99	3.5	1.61
7	Transition	120 Min.	65	38	103	3.3	1.66
8	Large Intestine	140 Min.	69	50	119	3.4	1.61
9		160 Min.	55	55	110	3.5	1.57
10		180 Min.	45	52	97	3.4	1.61

**Small Intestinal Bacterial Overgrowth (SIBO)
 Hydrogen & Methane Breath Results**


	Baseline	20 Min	40 Min	60 Min	80 Min	100 Min	120 Min	140 Min	160 Min	180 Min
Hydrogen	13	11	16	36	61	64	65	69	55	45
Methane	6	17	24	30	37	35	38	50	55	52
Combined	19	28	40	66	98	99	103	119	110	97

Important Information - Please Read:

Breath analysis standards for abnormal tests are suggested if an increase of 20ppm for Hydrogen (H₂), 12ppm for Methane (CH₄), or a combined 15ppm for Hydrogen (H₂) & Methane (CH₄) is detected. Only the treating clinician is able to determine if there are additional factors that could have a material impact on the results of this analysis. A diagnosis can only be obtained from a medical professional that combines clinical information with the results of this breath analysis. The results of this Hydrogen (H₂) & Methane (CH₄) breath test should be utilized as a guideline only.

Quality Control

The laboratory performs quality control analysis on specimens processed using rigorous standard operating procedures, established in conjunction with Clinical Laboratory Improvement Amendments (CLIA). Hydrogen (H₂) & Methane (CH₄) breath test values are corrected by the performing laboratory's state-of-the-art solid state sensor technology & scientific algorithm for Carbon Dioxide (CO₂) content in the samples.

¹ The correction factor, f(CO₂) is used to determine if each sample is valid for analysis. A f(CO₂) close to 1.00 is indicative of a good alveolar sample, while a factor in excess of 4.00 is indicative of a poor sample.

² 3 ppm of CH₄ with reported constipation may be suggestive of small intestinal bacterial overgrowth.

³ A combined H₂ + CH₄ increase of 15 ppm or more may be suggestive of small intestinal bacterial overgrowth.

⁴ Elevated and sustained H₂ and/or CH₄ levels may be suggestive of small intestinal bacterial overgrowth.