

Patient Name:
 Street Address:
 City, State, ZIP:
 Gender:
 DOB:
 Age:
 Patient Phone:
 Patient Mobile:
 Patient Email:

Facility Name:
 Clinician Name:
 Clinician NPI Number:
 Clinician Account #:
 Clinician Address:
 City, State, ZIP:
 Clinician Phone:
 Clinician Fax:
 Clinician Email:

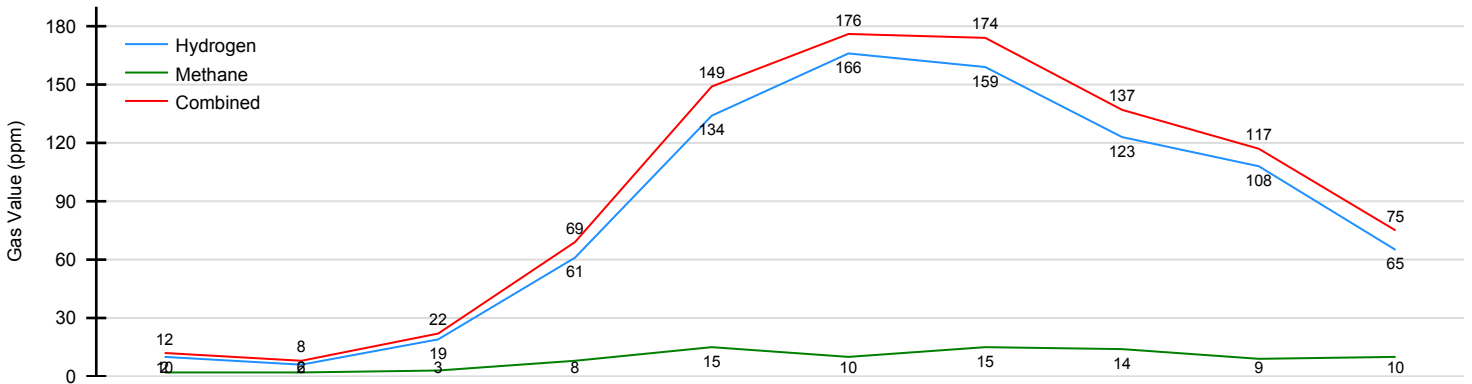
Accession Number:
 Date Ordered:
 Date of Service (Collection):
 Date Received:
 Date Reported (Final):
 MR/Chart Number:

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

Gasses Analyzed	Patient Result	Expected
Increase in Hydrogen (H ₂)	160 ppm (high)	< 20 ppm
Increase in Methane (CH ₄)	13 ppm (high)	< 12 ppm (< 3 ppm ²)
Increase in combined H ₂ & CH ₄	173 ppm (high)	< 15 ppm ³
Analysis of the data suggests	Bacterial overgrowth is suspected ^{2,3}	

Number	Expected Location	Collection Interval	ppm H ₂	ppm CH ₄	Combined	Sample Normalization ¹	
						ppm CO ₂	fCO ₂
1	Small Intestine	Baseline	10	2	12	2.8	1.96
2		20 Min.	6	2	8	3.5	1.57
3		40 Min.	19	3	22	3.5	1.57
4		60 Min.	61	8	69	3.5	1.57
5		80 Min.	134	15	149	2.9	1.89
6		100 Min.	166	10	176	3.3	1.66
7	Transition	120 Min.	159	15	174	3.3	1.66
8	Large Intestine	140 Min.	123	14	137	3.2	1.71
9		160 Min.	108	9	117	3.1	1.77
10		180 Min.	65	10	75	3.3	1.66

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	10	6	19	61	134	166	159	123	108	65
Methane	2	2	3	8	15	10	15	14	9	10
Combined	12	8	22	69	149	176	174	137	117	75
	Small Intestine						Transition	Large Intestine		

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.

Aerodiagnostics LLC does not have access to patient clinical information that is critical for a diagnosis determination.

Quality Control:

Aerodiagnostics 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 Aerodiagnostics 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.