

Patient Name:

Facility Name:

Street Address:

Clinician Name:

City, State, ZIP:

Clinician NPI Number:

Gender:

Clinician Account #:

DOB:

Clinician Address:

Accession Number:

Age:

City, State, ZIP:

Date Ordered:

Patient Phone:

Clinician Phone:

Date of Service (Collection):

Patient Mobile:

Clinician Fax:

Date Received:

Patient Email:

Clinician Email:

Date Reported (Final):

MR/Chart Number:

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

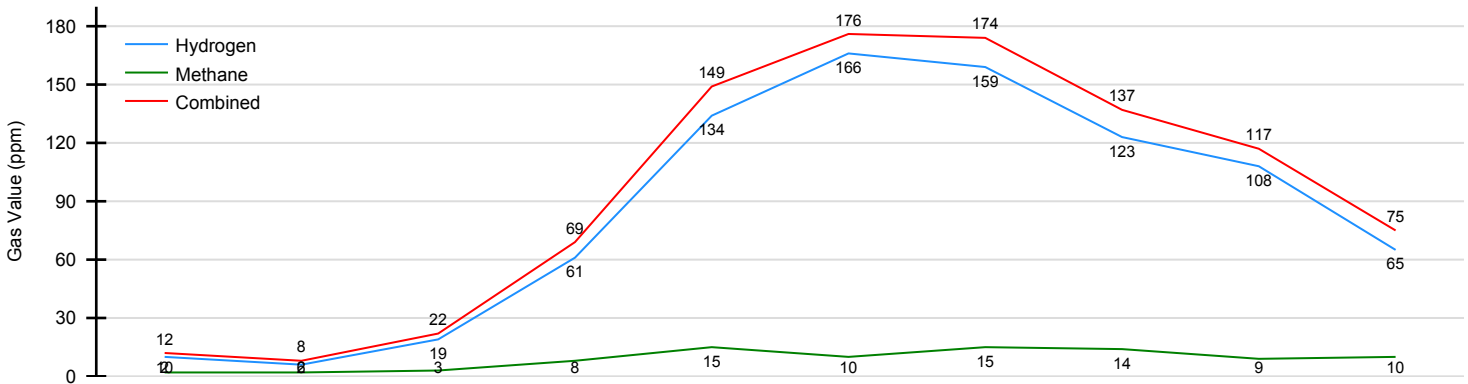
Gasses Analyzed	Patient Result	Expected
Increase in Hydrogen (H <sub>2</sub> )	160 ppm (high)	< 20 ppm
Increase in Methane (CH <sub>4</sub> )	13 ppm (high)	< 12 ppm (< 3 ppm <sup>2</sup> )
Increase in combined H <sub>2</sub> & CH <sub>4</sub>	173 ppm (high)	< 15 ppm <sup>3</sup>

Analysis of the data suggests	Bacterial overgrowth is suspected <sup>2,3</sup>
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Number	Expected Location	Collection Interval	ppm H <sub>2</sub>	ppm CH <sub>4</sub>	Combined	Sample Normalization <sup>1</sup>	
						ppm CO <sub>2</sub>	fCO <sub>2</sub>
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
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#### Important Information - Please Read:

Breath analysis standards for abnormal tests are suggested if an increase of 20ppm for Hydrogen (H<sub>2</sub>), 12ppm for Methane (CH<sub>4</sub>), or a combined 15ppm for Hydrogen (H<sub>2</sub>) & Methane (CH<sub>4</sub>) 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 (H<sub>2</sub>) & Methane (CH<sub>4</sub>) 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 (H<sub>2</sub>) & Methane (CH<sub>4</sub>) breath test values are corrected by Aerodiagnostics state-of-the-art solid state sensor technology & scientific algorithm for Carbon Dioxide (CO<sub>2</sub>) content in the samples.

<sup>1</sup> The correction factor, f(CO<sub>2</sub>) is used to determine if each sample is valid for analysis. A f(CO<sub>2</sub>) 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.

<sup>2</sup> 3 ppm of CH<sub>4</sub> with reported constipation may be suggestive of small intestinal bacterial overgrowth.

<sup>3</sup> A combined H<sub>2</sub> + CH<sub>4</sub> increase of 15 ppm or more may be suggestive of small intestinal bacterial overgrowth.