

## Small Intestinal Bacterial Overgrowth (SIBO) Report

### Lactulose Substrate

Patient Name: **Last, First, MI**  
 Street Address: 1234 Street  
 City, State, ZIP: City, State, 55555  
 Gender: M or F  
 DOB: 00/00/0000  
 Age: 00

Patient Phone: **555-555-5555**  
 Patient Fax: 555-555-5555  
 Patient Email: [patient@email.com](mailto:patient@email.com)

Accession Number: 1001  
 Date Ordered: 3/6/2016  
 Date of Service (Collection): 3/16/2016  
 Date Received: 3/20/2016  
 Date Reported (Final): 3/20/2016  
 MR/Chart Number: MR-54321

Physician Name: **Last, First, MI, Salutation**  
 Physician NPI Number: 1234567890  
 Physician Account Number: 2121  
 Physician Address: 1234 Road, Suite 100  
 City, State, ZIP: City, State, 54321

Facility Name: **Company Name or Physician Practice Name**  
 Physician Phone: 555-555-5555  
 Physician Fax: 555-555-5555  
 Physician Email: [dr@email.com](mailto:dr@email.com)

**SOURCE OF SPECIMEN:** 10 timed breath samples  
**SUBSTRATE USED:** Lactulose  
**CLINICAL HISTORY:** Not Indicated  
**CLINICAL IMPRESSIONS:** Rule out small intestinal bacterial overgrowth

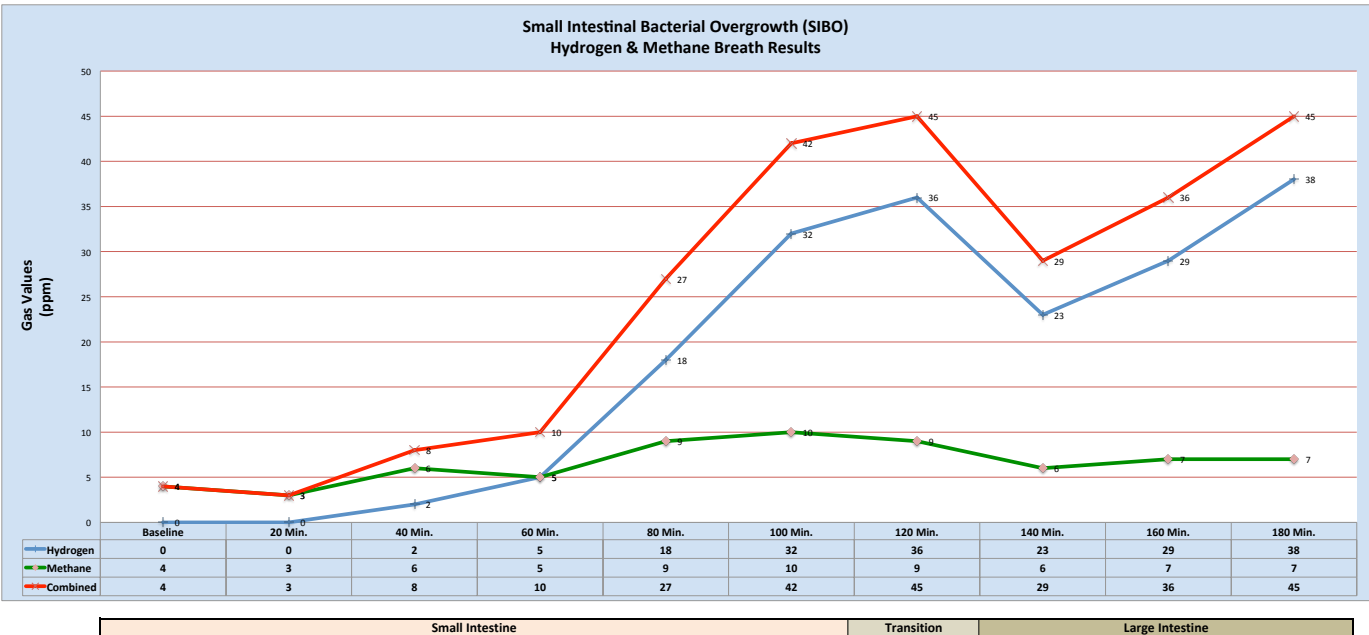
### Summary Report of Hydrogen & Methane Breath Analysis with Carbon Dioxide Correction

Gasses Analyzed:	Patient Result	Expected (Small Intestine only)
Increase in Hydrogen (H <sub>2</sub> ) Level:	36 ppm (high)	< 20 ppm
Increase in Methane (CH <sub>4</sub> ) Level:	7 ppm (normal)	< 12 ppm (< 3 ppm <sup>2</sup> )
Increase in Combined H <sub>2</sub> & CH <sub>4</sub> Levels:	43 ppm (high)	< 15 ppm

<b>Analysis of the above data suggests:</b>	<b>Data suggests small intestinal bacterial overgrowth<sup>1</sup></b>
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Number	Expected Location	Collection Interval	ppm H <sub>2</sub>	ppm CH <sub>4</sub>	Combined	ppm CO <sub>2</sub>	f CO <sub>2</sub>
1	Small Intestine	Baseline	0	4	4	5.2	1.05
2		20 Min.	0	3	3	4.2	1.30
3		40 Min.	2	6	8	3.9	1.41
4		60 Min.	5	5	10	4.4	1.25
5		80 Min.	18	9	27	4.2	1.30
6		100 Min.	32	10	42	4.4	1.25
7		120 Min.	36	9	45	4.5	1.22
8	Transition	140 Min.	23	6	29	4.1	1.34
9	Large Intestine	160 Min.	29	7	36	4.1	1.34
10		180 Min.	38	7	45	4.0	1.37



#### Important Information - Please Read:

Breath analysis standards for abnormal tests are suggested if an increase of 20 ppm for Hydrogen (H<sub>2</sub>) or 12 ppm for Methane (CH<sub>4</sub>), or a combined 15 ppm 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 the 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 can be suggestive of small intestinal bacterial overgrowth