

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):

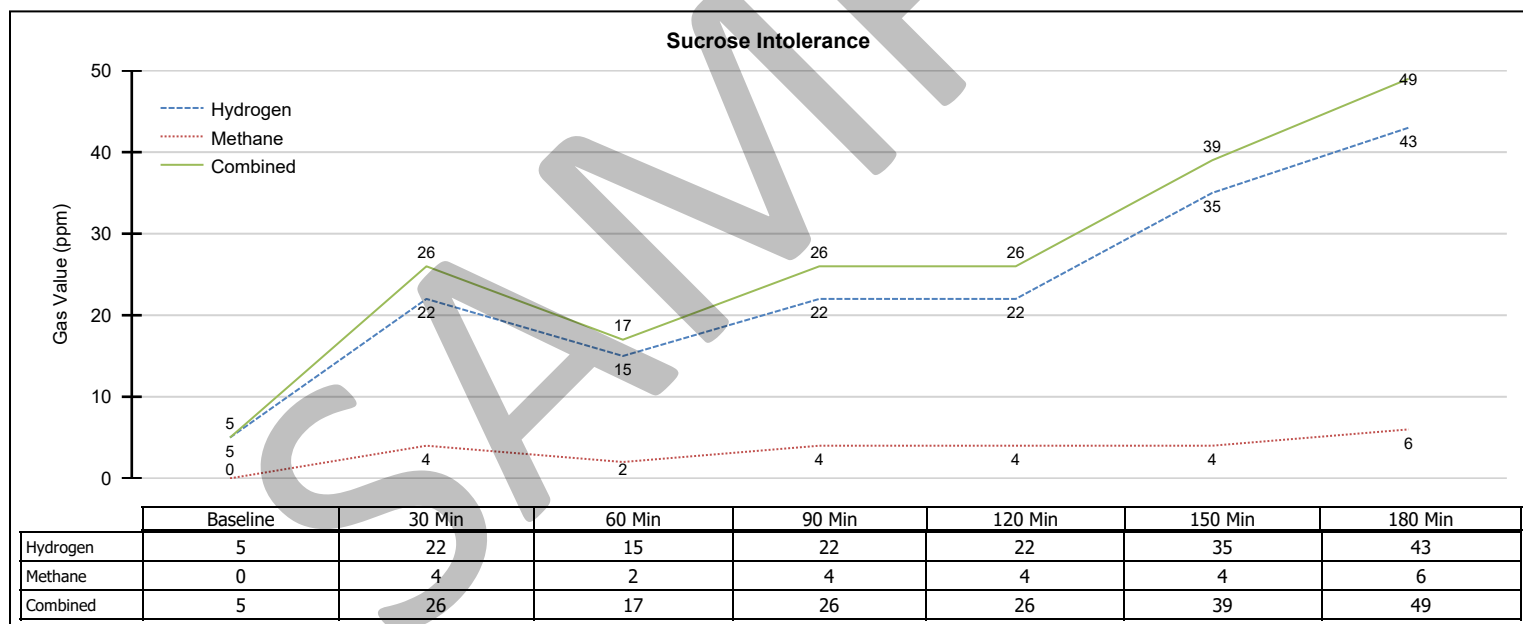
MR/Chart Number:

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

Gasses Analyzed	Patient Result	Expected
Increase in Hydrogen (H <sub>2</sub> )	38 ppm (high)	< 20 ppm
Increase in Methane (CH <sub>4</sub> )	6 ppm (normal)	< 12 ppm
Increase in combined H <sub>2</sub> & CH <sub>4</sub>	44 ppm (high)	< 15 ppm <sup>3</sup>

Analysis of the data suggests	Sucrose intolerance is suspected <sup>3,7</sup>
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Number	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	Baseline	5	0	5	4.4	1.25
2	30 Min.	22	4	26	4.5	1.22
3	60 Min.	15	2	17	4.6	1.19
4	90 Min.	22	4	26	4.2	1.30
5	120 Min.	22	4	26	4.7	1.17
6	150 Min.	35	4	39	3.9	1.41
7	180 Min.	43	6	49	4.3	1.27



#### 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>3</sup> A combined H<sub>2</sub> + CH<sub>4</sub> increase of 15 ppm or more may be suggestive of Sucrose intolerance.

<sup>7</sup> Elevated H<sub>2</sub> and/or CH<sub>4</sub> levels >120 minutes can indicate intolerance. Metz, G. et al. Breath hydrogen as a diagnostic...Lancet 1975 (May 24); 1(7917):1155-7. If the baseline H<sub>2</sub> level is elevated and the onehour sample is elevated even more, there is a strong suspicion that the patient has bacterial overgrowth. Even with overgrowth, a later increase in H<sub>2</sub> and/or CH<sub>4</sub> can be interpreted as a positive test for intolerance. Douwes, AC, Schaap, C and van der Kleivan Moorsel, JM. Hydrogen breath test in school children. Arch Dis Child. 1985 (Apr);60(4):333-7