

Breath Gas Analysis Report

Name or ID: Sample Report CMI27

Req #: xxxxxx

Lot ID: xxxxx

Substrate Used: Lactulose

Test Type: Small Intestinal Bacterial Overgrowth (SIBO)

Date Samples Collected: 2/4/2023

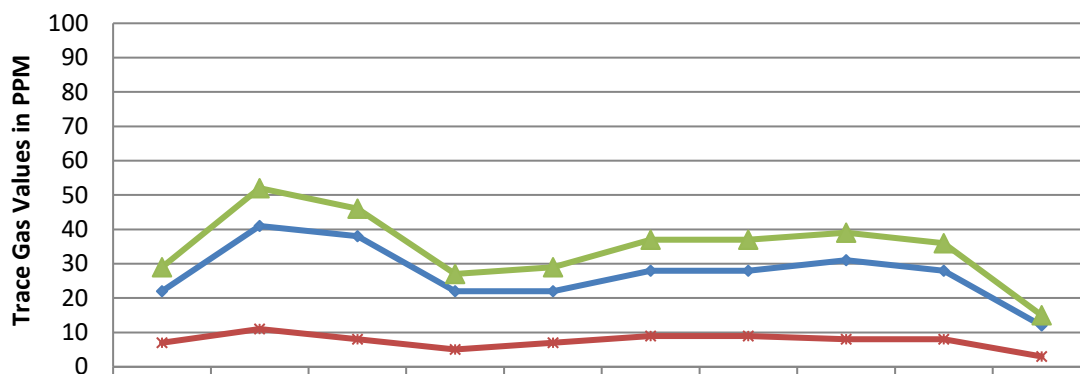
Date of Analysis: 2/9/2023

Referring Lab: Regenerus



Additional Notes: **None**

Breath Gas Analysis Chart



	Baseline (0)	20 Min	40 Min	60 Min	80 Min	100 Min	120 Min	140 Min	160 Min	180 Min
Hydrogen (H ₂) ppm	22	41	38	22	22	28	28	31	28	12
Methane (CH ₄) ppm	7	11	8	5	7	9	9	8	8	3
Combined (ppm)	29	52	46	27	29	37	37	39	36	15
CO ₂ %	3.7	4.1	3.9	3.4	3.7	3.5	3.6	3.2	4.0	4.2

According to the "The North American Consensus on Hydrogen and Methane-Based Breath Testing in Gastrointestinal Disorders"(1) and the "American College of Gastroenterology Clinical Guideline" (2) :

- A rise of ≥ 20 p.p.m. from baseline in hydrogen (H₂) by 90 min should be considered a positive test for SIBO;
- A level of ≥ 10 p.p.m. in methane (CH₄) at any point during the test is indicative of methanogen colonization.

(1) Rezaie A, Buresi M, Lembo A, Lin H, McCallum R, Rao S, Schulson M, Valdovinos M, Zakko S, Pimentel M. Hydrogen and Methane-Based Breath Testing in Gastrointestinal Disorders: The North American Consensus. Am J Gastroenterol. 2017 May; 112(5): 775-784.

(2) Pimentel M, Saad RJ, Long MD, Rao SSC. ACG Clinical Guideline: Small Intestinal Bacterial Overgrowth. Am J Gastroenterol. 2020 Feb; 115(2): 165-178.

For a proper diagnosis, your physician must review this information supplemented with clinical information that is unavailable to BreathTrackers. Your physician must be aware of clinical factors that may affect the interpretation of this test prior to concluding a final diagnosis based on these results.

Hydrogen (H₂) and Methane (CH₄) values corrections are based on CO₂ content in the samples. CO₂ is not used for diagnosis, only for quality assurance of samples. *Correction is based on contamination with room air or bronchial deadspace air, typically good samples are around 5.5% CO₂. Poor samples are typically below 1.5%. If a sample is considered "poor" the charted result cannot be determined accurately due to contamination of the sample. This does not mean your test is inconclusive in all cases.

No diagnosis is being made by QuinTron Instrument Company, Inc. or BreathTrackers, Inc. and shall not be held liable for any further interpretation, final assay decision, or medical treatment provided by physicians to their patients based on these results.