

**Small Intestinal Bacterial Overgrowth (SIBO) Report - Fructose Challenge**

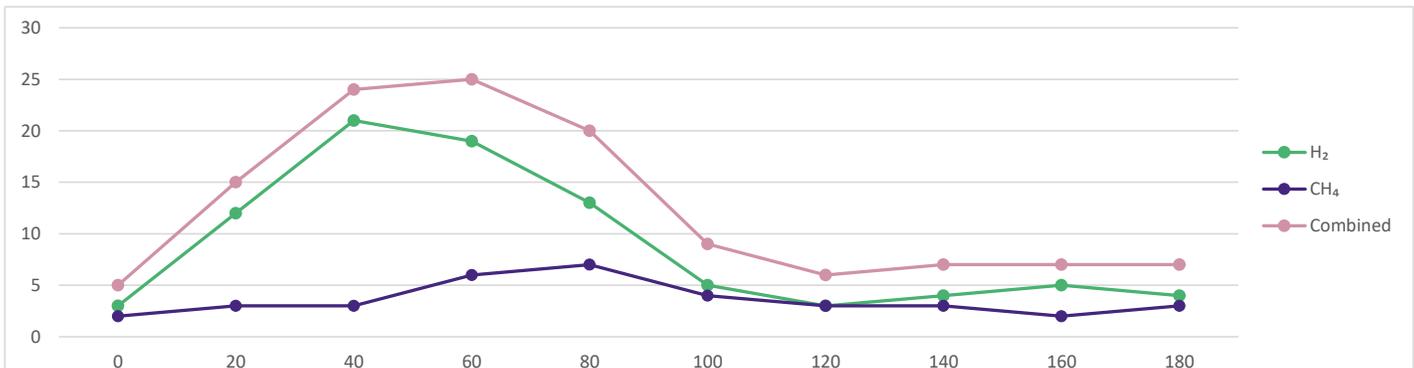
**Customer ID:** 6AB14  
  
**Requester/Doctor:** Smart Nutrition  
  
**Patient Name:** Sample report  
**Date of Birth:**  
**Sample ID:**

**Collection date:**  
**Received date:**  
**Answer report date:**

**Summary Report of Hydrogen and Methane Breath Analysis with Carbon Dioxide Correction**

## Small Intestinal Bacterial Overgrowth (SIBO) Hydrogen and Methane Breath following Oral 25g Fructose Challenge

Number	Expected Location	Interval	ppm H <sub>2</sub>	ppm CH <sub>4</sub>	Combined	% CO <sub>2</sub>	fCO <sub>2</sub> <sup>1</sup>
1	Small Intestine	Baseline	3	2	5	3.5	1.57
2		20 min	12	3	15	4.2	1.31
3		40 min	21	3	24	4.1	1.34
4		60 min	19	6	25	4.3	1.28
5		80 min	13	7	20	3.8	1.45
6		100 min	5	4	9	3.7	1.49
7	Transition	120 min	3	3	6	3.9	1.41
8	Large Intestine	140 min	4	3	7	3.9	1.41
9		160 min	5	2	7	4.1	1.34
10		180 min	4	3	7	4.3	1.28



Time (Min)	0	20	40	60	80	100	120	140	160	180
H <sub>2</sub>	3	12	21	19	13	5	3	4	5	4
CH <sub>4</sub>	2	3	3	6	7	4	3	3	2	3
Combined	5	15	24	25	20	9	6	7	7	7
CO <sub>2</sub> (%)	3.5	4.2	4.1	4.3	3.8	3.7	3.9	3.9	4.1	4.3
fCO <sub>2</sub> <sup>1</sup>	1.57	1.31	1.34	1.28	1.45	1.49	1.41	1.41	1.34	1.28

<sup>1</sup>CO<sub>2</sub> Correction factor is a relative indicator for quality of the alveolar breath sample collected, where the closer to 1 the correction factor is, the greater the concentration of breath. All reported results fall within acceptable breath CO<sub>2</sub> levels.

Drossman, DA. The functional gastrointestinal disorders and Rome III process. In: Drossman DA, Corazziari E, Delvaux M, Spiller R, Talley NJ, Thompson WG, et. al., eds. Rome III: The Functional Gastrointestinal Disorders. 3rd ed. McLean VA: Degnon Associates; 2006: 1-30.  
 Drossman DA. The functional gastrointestinal disorders and the Rome III process. Gastroenterology. 2006; 130: 1377-90.  
 Emilio José Laserna Mendieta et. al., Detection capacity of small intestine bacterial or methanogen overgrowth by lactose and fructose breath testing in the adult population, Adv Lab Med 2024; 5(3): 327–332