

Small Intestinal Bacterial Overgrowth (SIBO) Report

Customer ID: 123456789 Collection date: 16-02-2024
 Requester/Doctor: Received Date: 19-02-2024
 Customer Address: - - - - Answer report date: 19-02-2024

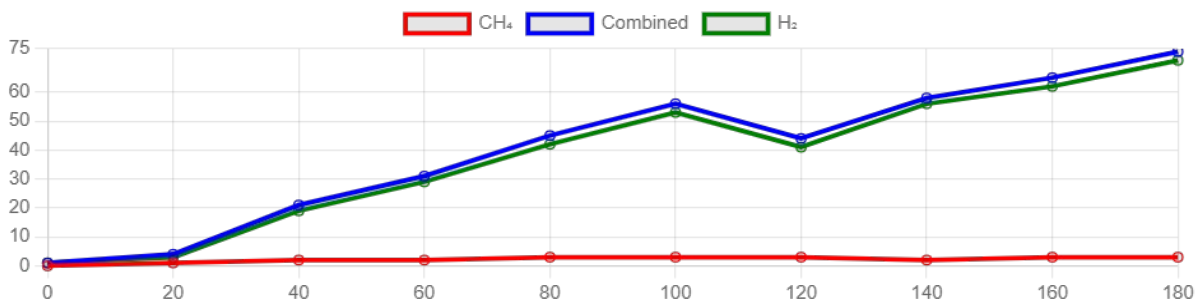
Patient Name: Sample Report
 Date of Birth: 01-01-2000
 Sample ID: 24VHL999999

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

Gas Analysed	Patient Result 0-100 mins	Expected difference 0-100 mins
Increase in Hydrogen (H ₂)	52	< 20
Increase in Methane (CH ₄)	3	< 12
Increase in Combined H ₂ & CH ₄	55	< 15

Analysis of data suggests:

 Results indicate small intestinal bacterial overgrowth



Time (Min)	0	20	40	60	80	100	120	140	160	180
H ₂	1	3	19	29	42	53	41	56	62	71
CH ₄	0	1	2	2	3	3	3	2	3	3
Combined	1	4	21	31	45	56	44	58	65	74
CO ₂ (%)	3.6	3.5	3.5	3.4	3.3	3.2	3.4	3.5	3.4	3.4
fCO ₂ ¹	1.5	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6

Additional Comment

¹CO₂ 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 CO₂ levels.

Increases of 20ppm of Hydrogen(H₂), 12ppm of Methane (CH₄), or a combined increase of 15ppm within 100 minutes indicates Small Intestinal Bacterial Overgrowth (SIBO)².

Methane levels ≥10ppm at any point are interpreted as positive for methanogenesis. Methane production at lower levels may be associated with constipation³.

1. European guideline on indications, performance, and clinical impact of hydrogen and methane breath tests in adult and pediatric patients: European Association for Gastroenterology, Endoscopy and Nutrition, European Society of Neurogastroenterology and Motility, and European Society for Paediatric Gastroenterology Hepatology and Nutrition consensus, 2021.

2. Protocols and Interpretation Help; Hydrogen/Methane Breath Tests, Quintron Instrument Company Inc, 2013.

3. Rezaie A, Buresi M, Lembo A, Pimentel M. et. Al. Hydrogen and Methane-Based Breath Testing in Gastrointestinal Disorders: The North American Consensus, Am J Gastroenterol 2017 May;112(5):775-784.