Address: New Lodge, Drift Road, Winkfield, Windsor, SL4 4RR, Phone: 01753 981698 ex 5002



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

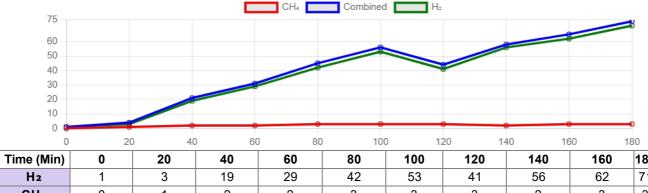
Patient Name: Sample Report

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.