

External ID 101139717500

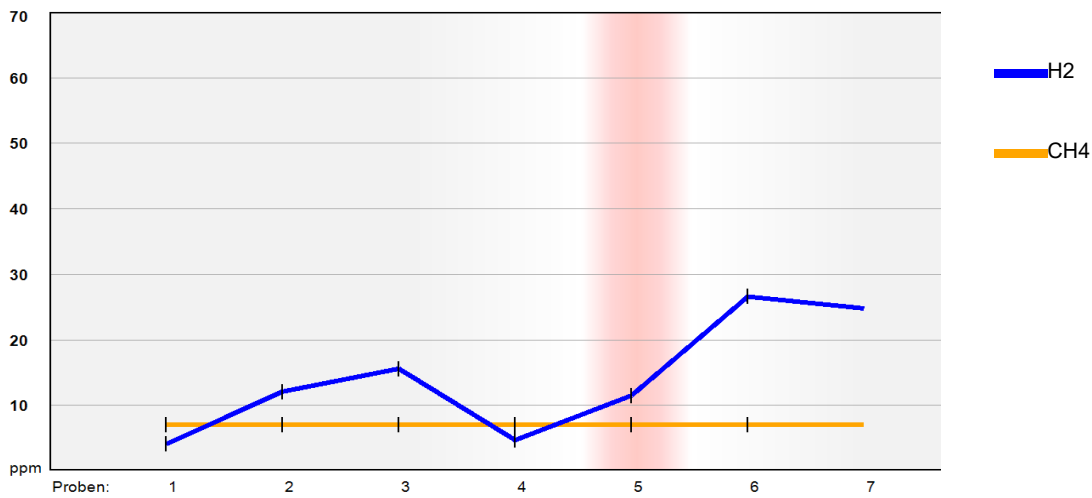
Name	-	Date of Birth	10.12.1968	Order ID	12498341
First Name	-	Sex	Female	Order Date	12.08.2021
Sampling Date	11.08.2021 00:00	Validation Date	Dr. Herbert Schmidt	Findings Status	Final Report
Sample Material	AT	Validation on	13.08.2021	Findings Date	13.08.2021

Test	Result	Unit	Standard Range	Previous Result
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Special gastro-enterological diagnostics

SIBO-Test

SIBO-Test SIBO NA)



SIBO-Test (Wasserstoff)

Breathing Gas 1	4,1	ppm	< 20	AT NA) GC
Breathing Gas 2	12,1	ppm	< 20	AT NA) GC
Breathing Gas 3	15,6	ppm	< 20	AT NA) GC
Breathing Gas 4	4,7	ppm	< 20	AT NA) GC
Breathing Gas 5	11,5	ppm	< 20	AT NA) GC
Breathing Gas 6	26,6	ppm	< 20	AT NA) GC
Breathing Gas 7	24,8	ppm	< 20	AT NA) GC

SIBO-Test (Methan)

Breathing Gas 1	<8,0	ppm	< 10	AT NA) GC
Breathing Gas 2	<8,0	ppm	< 10	AT NA) GC
Breathing Gas 3	<8,0	ppm	< 10	AT NA) GC
Breathing Gas 4	<8,0	ppm	< 10	AT NA) GC
Breathing Gas 5	<8,0	ppm	< 10	AT NA) GC
Breathing Gas 6	<8,0	ppm	< 10	AT NA) GC
Breathing Gas 7	<8,0	ppm	< 10	AT NA) GC

Laboratory-Id N°. **12498341**
Received **12.08.2021**
Report **18.08.2021**
Last Name -
First Name -
Date of Birth **10.12.1968**

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GmbH**

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BIOL

Clarification of a small intestine bacterial overgrowth (SIBO)

After lactulose intake, there occurred no significant increase in the respiratory hydrogen and/or methane gas concentration, which is evidence **against** the presence of a small intestine bacterial overgrowth (SIBO).

If there is no known constipation, a rise after 90 minutes can be viewed as a proper progression. Because the lactulose cannot be metabolized by the body, it is then physiologically broken down by the flora in the large intestine. This causes the corresponding increases.

Lactulose cannot be utilized by the organism. It passes unchanged to the intestines, where it is broken down by anaerobic flora. With SIBO, lactulose is already broken down in the small intestine. The resulting gases hydrogen, methane and carbon dioxide as well as the short-chain fatty acids (acetic, butyric and propionic acid) are responsible for various gastrointestinal complaints. The increase in hydrogen or methane concentration can be measured in the air we breathe.

If the hydrogen concentration (H₂) rises above 20 ppm within 90 minutes and/or the methane concentration (CH₄) rises above 10 ppm within all measurements compared to the basal value or the previous value, a SIBO is present.

With kind regards

Your Biovis-Diagnostik

Attention: The recommendations given are only advice based on the compiled findings and possible clinical information. They are exclusively addressed to the therapist/physician and are **not intended** for direct transfer to the patient. They cannot replace diagnosis and therapy of the treating therapist. The recommendations for therapy are a suggestion. The responsibility for the final selection/measure/dosage lies with the medical professional/therapist responsible for each individual case. Please also note that there may be contraindications/interactions associated with the recommended medication/nutritional supplements for pre-existing primary diseases and when taking certain medication. These must be investigated by the medical professional/therapist before starting therapy.

To achieve a special medical purpose, the dosing recommendations for individual substances may be higher than those of EU Regulation 2016/128.