	PATIENT: Sample Report				TEST REF: <b>TST-##-####</b> #		
Laboratories	TEST NUMBER:	#########	COLLECTED:	dd/mm/yyyy	DRACTITICALED	Nordic Laboratories	
	PATIENT NUMBER:	#########	RECEIVED:	dd/mm/yyyy	PRACTITIONER:		
	GENDER:	Male	TESTED:	dd/mm/yyyy	ADDRESS:		
	AGE:	32					
	DATE OF BIRTH:	dd-mm-yyyy					

## TEST NAME: Small Intestinal Bacterial Overgrowth (SIBO)

Summary Report of Hydrogen & Methane Breath Analysis with Carbon Dioxide Correction										Sample N	Sample Normalization <sup>1</sup>	
Gasses Analyzed	Patient Result	Expected		Number	Expected Location	Collection Interval	ppm H2	ppm CH4	Combined	ppm CO2	fCO2	
Increase in Hydrogen (H.)	E4 npm (high)	< 20 ppm		1		Baseline	13	6	19	3.4	1.61	
increase in Hydrogen (H2)	54 ppm (mgn)	< 20 ppm		2		20 Min.	11	17	28	3.5	1.57	
Increase in Methane (CH₄)	32 ppm (high)	< 12 ppm (< 3 ppm <sup>2</sup> )		3	Small Intestine	40 Min.	16	24	40	3.4	1.48	
				4		60 Min.	36	30	66	3.6	1.52	
Increase in combined H <sub>2</sub> & CH <sub>4</sub>	86 ppm (high)	< 15 ppm <sup>3</sup>		5		80 Min.	61	37	98	3.4	1.61	
				6		100 Min.	64	35	99	3.5	1.61	
			T I	7	Transition	120 Min.	65	38	103	3.3	1.66	
Analysis of the data suggests	Bacterial overgrowt	h is suspected <sup>2,3,4</sup>		8		140 Min.	69	50	119	3.4	1.61	
			L	9	Large Intestine	160 Min.	55	55	110	3.5	1.57	



## Important Information - Please Read:

Important information - Please Read: Breath analysis standards for abnormal tests are suggested if an increase of 20ppm for Hydrogren (H<sub>2</sub>), 12ppm for Methane (CH<sub>4</sub>), or a combined 15ppm for Hydrogen (H<sub>2</sub>) & Methane (CH<sub>4</sub>) is detected. Only the treating clinician is able to determine if there are additional factors that could have a material impact on the results of this analysis. A diagnosis can only be obtained from a medical professional that combines clinical information with the results of this breath analysis. The results of this Hydrogren (H<sub>2</sub>) & Methane (CH<sub>4</sub>) breath test should be utilized as a guideline only.

## Quality Control

Nordic

The laboratory performs quality control analysis on specimens processed using rigorous standard operating procedures, established in conjunction with Clinical Laboratory Improvement Amendments (CLIA). Hydrogren (H<sub>2</sub>) & Methane (CH<sub>4</sub>) breath test values are corrected by the performing laboratory s state-of-the-art solid state sensor technology & scientific algorithm for Carbon Dioxide (CO2) content in the samples

<sup>1</sup> The correction factor, f(CO<sub>2</sub>) is used to determine if each sample is valid for analysis. A f(CO<sub>2</sub>) close to 1.00 is indicative of a good alveolar sample, while a factor in excess of 4.00 is indicative of a poor sample. <sup>2</sup> 3 ppm of CH<sub>4</sub> with reported constipation may be suggestive of small intestinal bacterial overgrowth.

A combined H<sub>2</sub> + CH<sub>4</sub> increase of 15 ppm or more may be suggestive of small intestinal bacterial overgrowth <sup>4</sup> Elevated and sustained H<sub>2</sub> and/or CH<sub>4</sub> levels may be suggestive of small intestinal bacterial overgrowth.

Nordic Laboratories Aps	UK Office:	Page 1 of 1
Nygade 6, 3.sal • 1164 Copenhagen K • Denmark Tel: +45 33 75 10 00	11 Old Factory Buildings • Stonegate • E. Sussex TN5 7DU • UK Tel: +44 (0)1580 201 687	www.nordic labs.com info@nordic labs.com

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