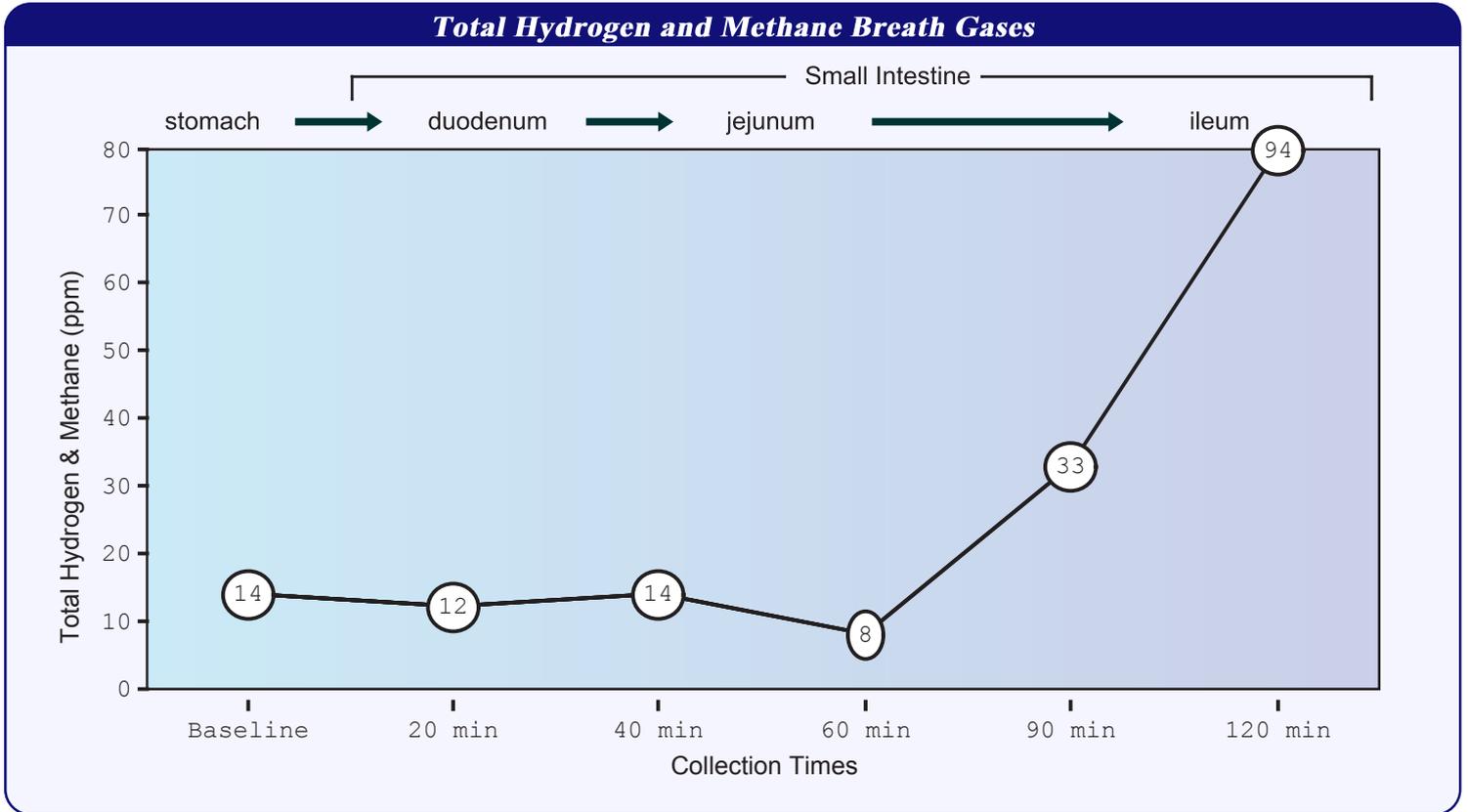




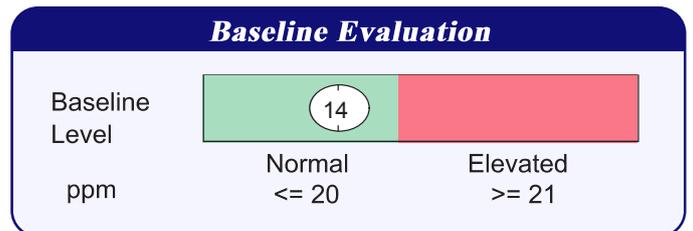
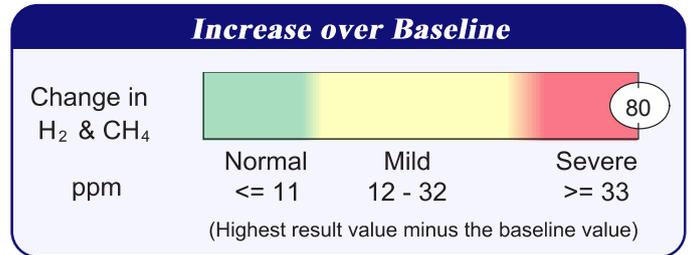
Test #	123456	Tested	MM/DD/YYYY	Practitioner Name	Nordic Laboratories
Patient #	123456	Received	MM/DD/YYYY	Practitioner Address	Nygade 6, 3 sal, 1164 Copenhagen K
TST #	N/A	Collected	MM/DD/YYYY		
Patient Name	Sample Patient				
Sex	N/A	DOB	MM/DD/YYYY		

Bacterial Overgrowth of the Small Intestine Breath Test



Hydrogen & Methane (ppm)

Minutes	Base-line	20	40	60	90	120
Hydrogen (H ₂)	11	8	11	4	30	89
Methane (CH ₄)	3	4	3	4	3	5
Total	14	12	14	8	33	94



This test was developed and its performance characteristics determined by Genova Diagnostics, Inc. It has not been cleared or approved by the U.S. Food and Drug Administration.

Testing performed by Metamatrix Inc. for Nordic Laboratories ApS.

Georgia Lab Lic. Code #067-007
CLIA ID# 11D0255349

New York Clinical Lab PFI #4578
Florida Clinical Lab Lic. #800008124

Laboratory Director: Robert M. David, PhD



Test #	123456	Tested	MM/DD/YYYY	Practitioner Name	Nordic Laboratories
Patient #	123456	Received	MM/DD/YYYY	Practitioner Address	Nygade 6, 3 sal, 1164 Copenhagen K
TST #	N/A	Collected	MM/DD/YYYY		
Patient Name	Sample Patient				
Sex	N/A	DOB	MM/DD/YYYY		

Commentary

Commentary is provided to the practitioner for educational purposes, and should not be interpreted as diagnostic or treatment recommendations. Diagnosis and treatment decisions are the responsibility of the practitioner.

Bacterial Overgrowth of the Small Intestine

Few bacteria normally inhabit the small intestine, compared to the ample growth found in the colon. If bacteria are excessive in the small intestine, they will ferment the lactulose challenge drink and produce hydrogen and/or methane gas(es), which are absorbed into the bloodstream and then released into the breath. An early rise in breath gases, within the first hour or so after lactulose ingestion, typically indicates bacterial overgrowth in the proximal small intestine. The earlier the peak, the higher in the small intestine the overgrowth is likely to be.

An increase in breath gases in the 5th or 6th specimen (90 and 120 minutes, respectively) usually reflects bacterial overgrowth in the distal ileum.

Your results:

Your breath test for bacterial overgrowth showed a net increase in total breath gases of >32 ppm. This represents severe bacterial overgrowth of the small intestine. Treatment with antimicrobials may be indicated, depending on the clinical picture. Common signs and symptoms include gas and bloating, diarrhea, abdominal cramps, steatorrhea, malabsorption, and nutrient insufficiencies, particularly vitamin B12. Causes include achlorhydria or hypochlorhydria, chronic maldigestion, reduced transit time, Crohn's disease, diabetes mellitus, and intestinal stasis from various causes.

False positive results are possible (especially for elevated hydrogen) with incomplete avoidance of high-fiber foods, exposure to tobacco smoke or napping during collection.

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