



PHONE: (855) 888-1230 | EMAIL: support@triosmartbreath.com

BREATH TESTING FOR THE THREE PRIMARY FERMENTED GASES

trio-smart is a **mail-in breath test** that measures the levels of **hydrogen**, **methane**, and **hydrogen sulfide** in a patient's breath after lactulose or glucose consumption. Measuring the three primary fermented gases can offer you clearer insight leading to a personalized treatment plan more quickly.



trio-smart is a validated Laboratory Developed Test (LDT) and is conducted in a **CLIA-certified** laboratory.



The **American College of Gastroenterology Clinical Guideline for Small Intestinal Bacterial Overgrowth** provides authoritative validation of the value of breath testing technology like trio-smart and supports mail-in kits with testing in CLIA-certified labs.



The **North American Consensus on Hydrogen and Methane-Based Breath Testing** in Gastrointestinal Disorders establishes common standards utilized by trio-smart.

INDICATIONS & CORRELATIONS

HYDROGEN
Indicative of: SIBO
Small Intestinal Bacterial Overgrowth

Predicts:
Bloating and Diarrhea



METHANE
Indicative of: IMO
Intestinal Methanogenic Overgrowth

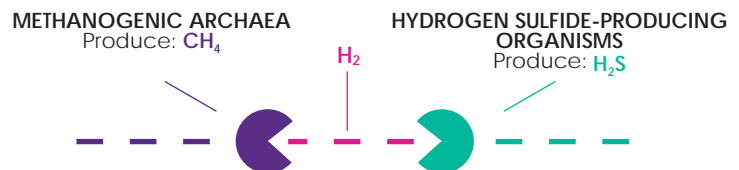
Predicts:
Constipation

HYDROGEN SULFIDE
Indicative of: ISO
Intestinal Sulfide Overproduction
Predicts: More Severe Diarrhea

INTERPLAY OF THESE FERMENTED GASES

Hydrogen is produced by fermenting bacteria, but is also consumed by other organisms, resulting in the production of other gases, including **methane** and **hydrogen sulfide**.

These findings are important, because they suggest that **providers cannot rely solely on hydrogen** measurements, as they are directly affected by methane and hydrogen sulfide.



ORDER trio-smart

Please complete the attached requisition form and email it to support@triosmartbreath.com or fax it to **818-301-3222**. You can also order online by visiting ordertriosmart.com. Easy-to-interpret results are reported within seven days of sample receipt.

1. Pimentel, Mark, et al. **ACG Clinical Guideline: Small Intestinal Bacterial Overgrowth**. The American Journal of Gastroenterology, 2020.
2. Rezaie, Ali, et al. **Hydrogen and Methane-Based Breath Testing in Gastrointestinal Disorders: The North American Consensus**. The American Journal of Gastroenterology, 2017.
3. Pimentel, Mark, et al. **Gas and the Microbiome**. Current Gastroenterology, 2013.
4. Pimentel, Mark, et al. **Exhaled Hydrogen Sulfide Is Increased in Patients With Diarrhea: Results of a Novel Collection and Breath Testing Device**. AGA Abstracts, 2021.
5. Singer-Englar, Tahlil, et al. **Validation of a 4-Gas Device for Breath Testing in the Determination of Small Intestinal Bacterial Overgrowth**. AGA Abstracts, 2021.

Trio-Smart Breath Test Requisition Form

PREScriBER #: _____
For Lab Use Only

trio smart®

Fax requisition to: (818) 301-3222

Questions? support@triosmartbreath.com

PATIENT INFORMATION

Name: _____ Address 1: _____
First MI Last Note: We cannot ship to PO Boxes

Date of Birth: _____ Address 2: _____
mm/dd/yyyy

Sex (Male, Female): _____ City: _____ State: _____ Zip: _____

Email: _____ Phone: _____

PATIENT'S INSURANCE INFORMATION

Check one box (1, 2, or 3): ***PLEASE PROVIDE FRONT & BACK COPY OF INSURANCE CARD.***

1 ☐ **HMO, PPO, Commercial Insurance***

Insurance
Provider: _____

Group #: _____

Policy ID: _____

Policyholder
Name: _____

2 ☐ **Medicare / Medicaid***

Medicare # or Plan
Medicaid ID: _____ Name: _____

3 ☐ **Cash Pay (\$349)** - Patient will be billed directly via mail.

An insurance claim for \$349 will be filed on the patient's behalf. Patients with private insurance will be billed the balance of the test not covered by insurance. Patients with public insurance (Medicare and Medicaid) will not be billed any balance other than co-pays or co-insurances (if applicable).

I authorize any physician or lab who has treated me or my dependent(s) to furnish any medical information requested. In consideration of services rendered, I transfer and assign any benefits of insurance to Gemelli Biotech. I understand I am responsible for any co-pay or deductible amounts. I understand I am fully responsible for payment of my account if Gemelli Biotech is not a participant with my health plan, and my health plan does not fully reimburse my medical services for any reason.

 **PATIENT SIGN HERE**

(REQUIRED)

DATE

**DATE OF
COLLECTION**

ORDERING PRESCRIBER INFORMATION

Practice Name: _____

Prescriber Name: _____

NPI: _____

DELIVER TEST RESULTS TO: _____
Enter Email Address or Fax Number

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____

Phone: _____

LABORATORY TEST ORDERED

Please select one of the following (mandatory):

☐ **Trio-Smart - LACTULOSE** *Please provide your patient with a prescription for one dose of 10gm/15ml solution of lactulose.

☐ **Trio-Smart - GLUCOSE**

☐ **Trio-Smart Malabsorption - LACTOSE**

☐ **Trio-Smart Malabsorption - FRUCTOSE**

☐ **Trio-Smart Malabsorption - SUCROSE**

Gemelli Biotech
2450 W Broadway Rd, Ste 120, Mesa, AZ 85202
Laboratory Director: Boaz Kurtis, MD

ICD-10 DIAGNOSIS CODE (REQUIRED)

☐ **R10.9**
(Abdominal Pain)

☐ **R11.0**
(Nausea)

☐ **R14.0**
(Abdominal Distension)

☐ **R14.1**
(Gas Pain)

☐ **R14.2**
(Eructation)

☐ **R14.3**
(Flatulence)

☐ **R19.7**
(Diarrhea)

☐ **K59.00**
(Constipation)

Other: _____

As the ordering prescriber named above, I certify that the patient whose specimen is being submitted for analysis has been informed of the benefits and limitations of the laboratory test(s) requested, has had the opportunity to have all questions answered adequately, and, if required by my institution, has given informed consent.

 **PREScriBER SIGN HERE**

(REQUIRED)

DATE