

INTERNATIONAL DIAGNOSTIC SERVICES

AIRTEST

Hydrogen & Methane Breath Test

Detection of Food Intolerance

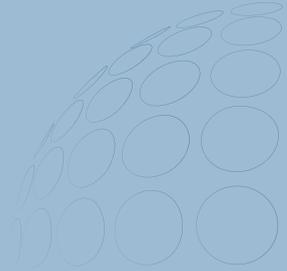
Detection of SIBO (Small Intestinal Bacterial Overgrowth)



CALDERÓN
CENTRO DIAGNÓSTICO

WHAT DOES AIR TEST CONSIST OF?

AIR TEST is the trademark registered by Centro Diagnóstico Calderón for its hydrogen & methane breath test, for **sugar intolerances and bacterial overgrowth in small intestine.**



WHAT DOES AIR TEST DETECT?

- SIBO (Small Intestine Bacterial Overgrowth)
- Intolerance:
 - Lactose
 - Fructose
 - Saccharose
 - Sorbitol
 - Other sugars

SAMPLE



Breath
(air exhaled by the patient)

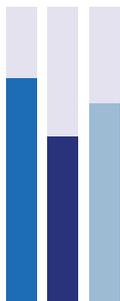


METHODOLOGY

AIR TEST bases its methodology on the quantification of the concentrations of:



In the patient's breath, after the ingestion of a controlled amount of substrate.



Before ingesting the substrate, a **baseline sample** of the air exhaled by the patient is obtained as a negative control, and it is then compared with breath samples obtained subsequently, at different times, during the digestive transit of the aforementioned substrate.

Obtaining **high concentrations of these gases**, will indicate that transformation of the substrate is taking place.

Through the measurement of **methane**, Air test reduces false positives, thus detecting the presence of intestinal archaea, which go unnoticed by **traditional breath tests** (which only measure hydrogen).

TYPES OF AIR TEST AND SUBSTRATES

AIR TEST TYPES *	Substrate	Concentration
LACTOSE INTOLERANCE	Lactose	25 gr
FRUCTOSE INTOLERANCE	Fructose	25 gr
SACCHAROSE INTOLERANCE	Saccharose	50 gr
SORBITOL INTOLERANCE	Sorbitol	10 gr
FRUCTOSE + SORBITOL INTOLERANCE	Fructose + Sorbitol	25 gr + 5 gr
SIBO DETECTION	Lactitol	10 gr

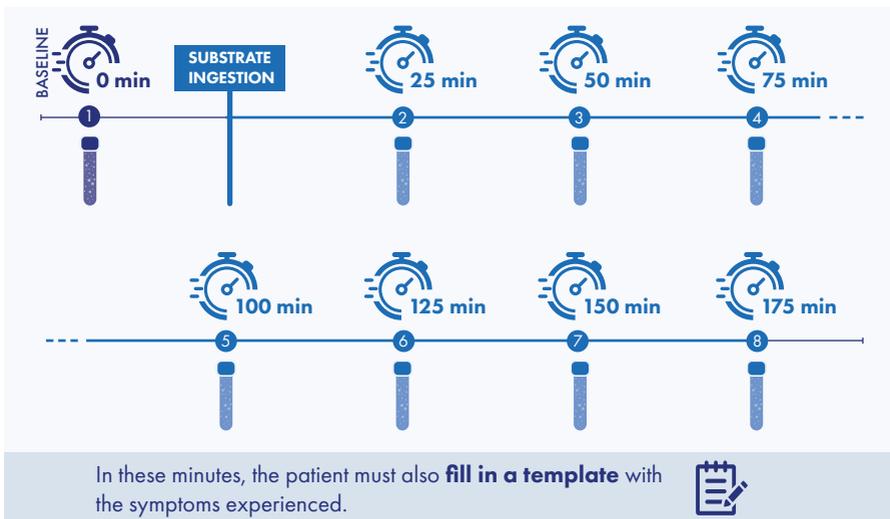
* FOR OTHER SUGARS, CONTACT CENTRO DIAGNÓSTICO CALDERÓN

SAMPLING PROCEDURE

The patient must **carefully read** the instructions provided in the kit, to know which indications are required, or must be avoided, before and during the performance of the test.



The procedure requires only **the ingestion of the substrate and the exhalation** of the patient's breath in the tubes of the kit, as follows:



WHAT DOES THE AIR TEST KIT CONTAIN?

Centro Diagnóstico Calderón sends **FREE** diagnostic kits of AIR TEST to the partner center. Every kit is composed of:

- 8 glass tubes
- 1 bottle with powdered substrate
- 1 flexible tube (straw)
- 1 Application Form
- 1 Instruction Document
- 1 Dye with identification labels
- 1 Bag for documentation



The **glass tubes** represent an **advantage** over traditional expired air kits, where air is stored in bags (which are more expensive).

With the tube system, in addition to a **LOWER cost**, the sample transport and storage system is carried out in **optimal conditions**.

The air contained in the tubes remains intact, maintaining optimal conditions for **MORE THAN 1 MONTH** after being expired.

LOGISTICS

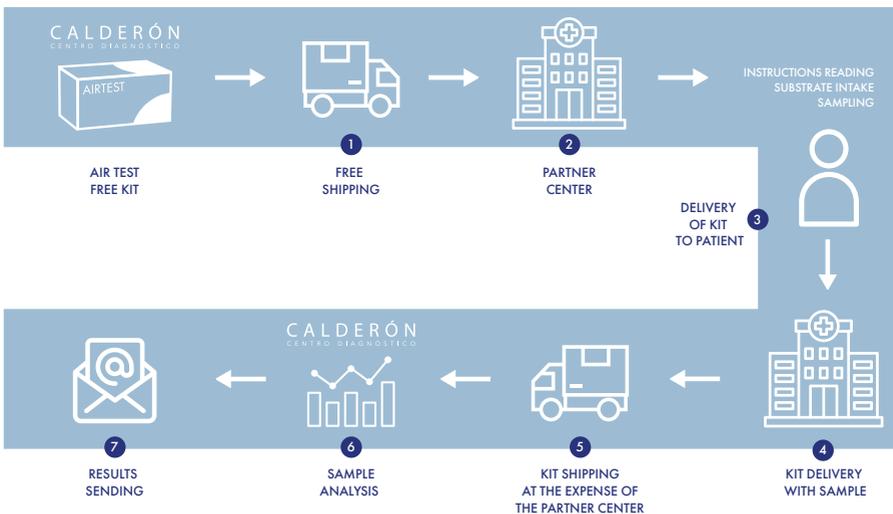


As the air in the tubes **remains intact for 1 month**, the shipping time is not a determining factor.

It is recommended to **group sample shipments** to optimize transportation.

- Centro Diagnóstico Calderón **sends FREE diagnostic kits** of Air Test to the partners Centers.
- The partner center can thus have a **stock of Air Test** free of charge for when their patients request it.
- **The center can provide the kit to the patient**, who returns it once the sample has been taken.
- **Next, the partner center sends the sample by transport** to Centro Diagnóstico Calderón that will analyze the sample and send the results to the health center by email.

NOTICE: The service **will be invoiced** as soon as the samples **are analyzed**.



TIMINGS FOR ANALYSIS AND RESULTS

3 - 5 days working days from receipt of the sample.

WHICH PATIENTS ARE ELIGIBLE FOR THE TEST?

AIR TEST suits the following patients:

Patients with **Genetic or Primary Intolerances**

Patients with **Functional or Acquired Intolerances**

Patients with **Bacterial Overgrowth**

Patients with **dyspepsia of unknown origin**, and who present the following symptoms:

- Sickness
- Vomiting
- Diarrhea
- Explosive depositions
- Abdominal pain
- Abdominal discomfort
- Abdominal distension
- Heartburn
- Bowel Noises
- Flatulence

As a consequence of these disorders, an **incorrect absorption of nutrients** can take place, and an alteration of **intestine permeability** that derives from transit of harmful molecules

That makes the diagnosis of these pathologies very important, thus allowing the patient to follow a treatment or guidelines that lead to restoration of the intestinal ecosystem.



PROFESSIONAL PROFILE FOR THE PRESCRIPTION OF AIR TEST

AIR TEST **does not require a medical prescription**, however, it is very useful for medical and professional professionals in the following fields:

- Digestive Medicine
- General medicine
- Clinical laboratory
- Pharmacy with medical advice or diagnostic services
- Nutritionists

ADVANTAGES OF THE KIT AIR TEST



30 years' experience of Centro Diagnóstico Calderón performing digestive-type exams.



The measurement of **methane** together with hydrogen and carbon dioxide **avoids false negatives**, providing more precision, and detecting intestinal archaea in addition to bacteria. Its diagnosis favors a more specific treatment tailored to the patient.



System of tubes that allow **storage and transport** of the test in optimal conditions over 1 month.



Tube system with **lower cost** than traditional expired air bags.



FREE shipping of the kit, allowing the partner center to have a stock of AIR TEST ready for when your patient requests it.



Quick results **3 - 5 working days** after receiving the sample



Each kit **includes the food substrate**



Easy sample collection with this kit format It can be performed by the **patient on their own**, saving queue times and space in laboratory collection rooms



Non-invasive procedure



Option of **complementing the results**, performing it together with the **Intestinal Pathogens Test**



Studies of intolerances are **highly demanded** in today's society, where food intolerances and digestive problems derived from diet are increasing exponentially.



Does not require a medical prescription, although it is very useful for **professionals** in many health and nutrition areas.

** Contact us for more information
Specific details of the test
Examples of results report, documents and specific instructions
Collaboration conditions
Other tests at Centro Diagnóstico Calderón

CONTACT INFORMATION

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