

LACTOTEST 102

Hydrogen breath test monitor

The **Lactotest 102** has been developed to provide quick and reliable diagnosis of gastro-intestinal disorders measuring carbohydrate breakdown deficiencies and/or malabsorption. Particularly efficient for lactose intolerance screening, the **Lactotest 102** also gives good indication of small intestinal bacterial overgrowth and evaluates intestinal transit time. The electrochemical H₂ sensor with thermal compensation delivers a reliable, quick and inexpensive system of measurement.



Lactotest 102

- Hydrogen is produced in the intestinal lumen by bacteriological breakdown of carbohydrates and its detection helps clinicians to understand digestive problems.
- The technique of exhaled breath monitoring is usually well tolerated by patients of all ages. The test is easy, non-invasive and performed after a short period of fasting.
- Ease of use, a clinically proven technique and cost effectiveness make of the **Lactotest 102** a standard diagnostic tool for gastro-enterologists, pediatricians, nutritionists and clinical bio-chemists.
- Moreover, **Lactotest 102** is an upgradeable device: it is possible to start with a hydrogen breath test monitor and then decide to add the detection of other gases (CH₄, CO₂) at any time thanks to the Lactotest 202 "Control" and the Lactotest 202 "Xtend". This solution allows you to upgrade your system in line with your budget.



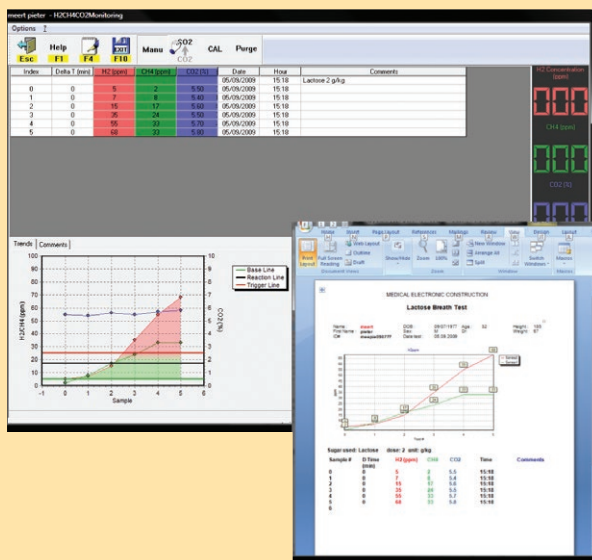
Patient/User benefits

- Applications** Carbohydrate malabsorption detection
Lactose malabsorption and/or intolerance
Fructose/Glucose/Lactulose/Sorbitol/Sucrose/d-Xylose/Xylitol intolerance
Small Intestinal Bacterial Overgrowth (SIBO) diagnosis
Transit time diagnosis
- Non invasive** Sampling by exhaled gas collection
- Software** Database integration, report creation, IT network possibilities
- Calibration** Once a day with pre-mixed calibration gas
- Workable price** Modular construction minimizes manufacturing and maintenance costs

Patient Data Interface (PDI)

All Lactotests are interactive systems allowing you to interface with MEC's user-friendly software for database integration, to export results into Hospital Information Systems (XML, HL7, etc.) or simply to save or print directly your test results in MS Word™.

The PDI software centralizes all patients' data from a variety of medical tests. Data can be viewed numerically or graphically. In case you need assistance, MEC has developed a remote support accessible via the Internet for equipment as well as for the software.



Specifications

Measurement range	0-200 ppm
Accuracy	± 2 % fs
Detection principle	Electrochemical sensor with thermal compensation
Sensor operating life (and warranty)	minimum 3 years (1 year warranty)
Sensor resolution	1 ppm
Warm-up time	30 minutes
Response time	50 seconds

Certification / Safety standards
93/42/EEC & 2007/47/EC Medical Devices Directive

MEC, YOUR PARTNER FOR THE LONG TERM ...



Medical Electronic Construction R&D sprl
Rue Prévinnaire 64 Previnairstraat
Bruxelles 1070 Brussel
BELGIUM

Phone + 32(0) 2 558.00.60
Fax + 32(0) 2 558.00.69
e-mail info@mecrd.eu
Web www.mecrd.eu

