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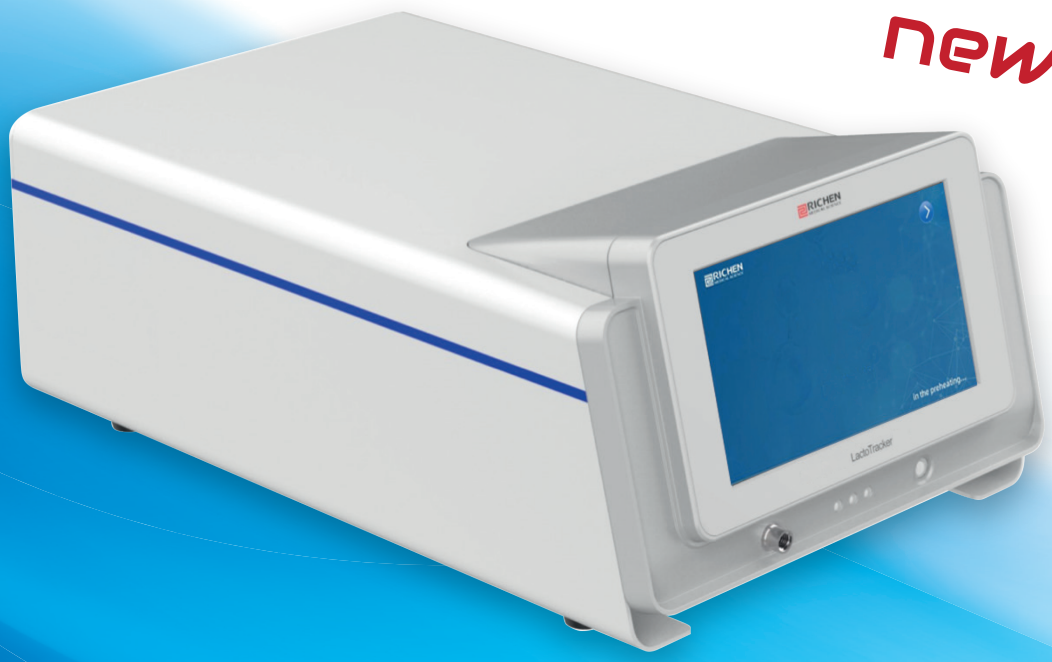
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Living the innovation in Gastroenterology

Lactotracker

H_2 + CH_4 + CO_2 Breath Analyzer

Lactotracker is a diagnostic instrument for the detection of hydrogen, methane and carbon dioxide concentrations, which are indicators of carbohydrate dyspepsia and intestinal bacterial overgrowth (SIBO)

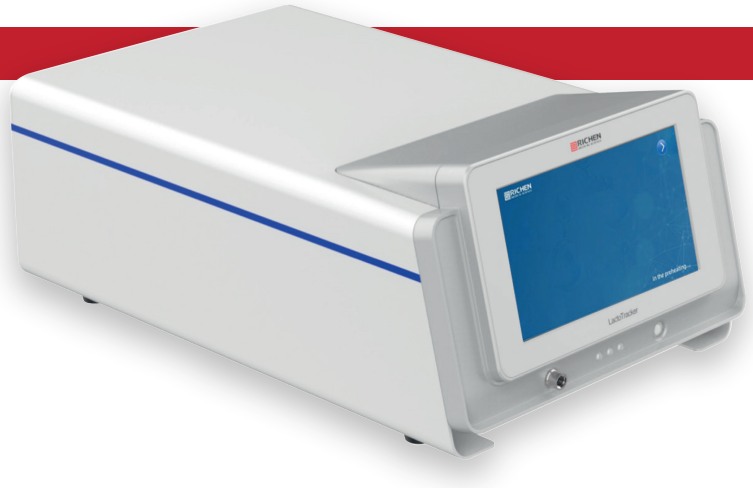


- Fully automatic
- Test execution in less than 90 seconds
- Step-by-step, easy user interface on LCD screen
- Additional software for reporting and patient data archiving
- Can be used independently or connected to a PC

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Lactotracker



Operating principle

The method for determining H_2 is based on an electrochemical cell with temperature compensation, which ensures stable sample analysis even in the event of sudden temperature changes.

CH_4 and CO_2, on the other hand, are detected using Tunable Diode Laser Absorption Spectroscopy (TDLAS), a technology that employs tunable diode lasers to analyze gas compositions with high precision and accuracy.

Lactotracker is capable of detecting not only H_2 and CH_4 but also carbon dioxide (CO_2), the latter being a potential source of deviation from actual values when present in excess, and can be corrected.

The detection of H_2 and CH_4 is expressed in parts per million (ppm), while CO_2 is expressed as a percentage (%).

Technical features

- Small-sized, compact device (400x250x160 mm)
- LCD touch screen display
- Simple and intuitive user interface
- Patient data entry and research via alphanumeric on-screen keyboard or external keyboard
- Software allows for working with multiple patients simultaneously
- External software for reporting and storing patient data
- USB port
- Calibration with specific gas mix
- Automatic CO_2 correction factor
- Option to use an external mouse
- No limit on the number of daily tests
- Automatic air circuit cleaning after each test
- Resolution H_2, CH_4: 0,1 ppm; CO_2: 0,01 %
- Accuracy H_2, CH_4, CO_2: ± 2% (full scale)
- For Breath Test use only. Non-invasive

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