In human metabolism, CO2 is often the final product, which is exhaled and thus easily accessible to analysis. HP-DIBTA evaluates any Helicobacter Pylori infection. Easily accessible - non invasive – economic – small - no side effects – harmless 13C UREA - real multitasking.
The HP-DIBTA (Helicobacter Pylori Delta Infrared Breath Test Analyzer) determines the isotope ratio of 13C/12C of CO2 in human breath with a precision of +/- 0.8 delta per mille and is supplied with a software to evaluate the commonly known Helicobacter Pylori 13C Breath Tests / 2-point / 3-point / 4-point. Newly developed tests can be defined, too. The DIBTA is controlled by a Windows, Apple or Linux computer via a LAN or RS232 interface.

Technical Data:
- Weight: 8 kg
- Height x Width x Depth: 17 x 37.5 x 36 cm
- Power supply: 24 VDC via medical power supply pack (90...264 VAC)
- Power requirement: Typ. 40 W, Max. 90 W during warm-up
- Data connection: Ethernet or RS232
- Operating system: Computer with XP to Windows 8, Mac OS X or Linux

Application, System specification:
- Test medium: Breath from breath bags
- Physical measured value: 13CO2 and 12CO2
- Measuring Co2 total:
  - Minimum concentration CO2: 0.2%
  - Maximum concentration CO2: 5%
- Precision: +/- 1 delta per mille over 1h
- Reproducibility (one sample N=8): +/- 0.8 delta per mille
- Optional: Connect to IT-management system.

Software:
- Runs on Windows, Linux, Mac
- Multitasking: Define new tests in the measurement list or calculate and print results while performing your actual measurements.
- User management: User rights depend on user login.
  - There are three levels of use: Administrator, doctor and assistant.
  - Use one of the pre-defined tests and compare your results to normal collectives.
  - Define new tests for a clinical study.
  - Export to Excel and produce PDF-Reports with yourself defined individual layout of the doctor’s letter.
  - Optional: Connect to IT-management system.