

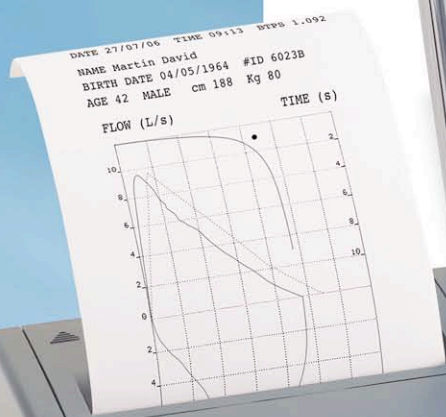


spirolab III

diagnostic spirometer
with oximetry option

New!
3rd generation

Fast
Simple
Durable
Accurate
Powerful
Innovative



Spirometer with 6,000 test memory
Oximeter with 1,000 hours recording
Bluetooth® connection
Available with disposable or reusable
digital turbine flowmeter



Quality Spirometry



0476

FDA

Registered

ATS-ERS

Standards

ISO

9001-2000

ISO

13485



Quality Spirometry

Spirometer

- Records best 3 trials
- Up to 8 blows on one screen
- Internal temperature sensor for BTPS conversion



Finger Oximeter (option)

- Short or long term (overnight) SpO2 and Pulse Rate measurements
- ODI, NOD, T90%, T89%, T88, T87%
- Sleep oximetry with desaturation events
- Oximetry during exercise test



New!

**Exclusive
paediatric
incentive
system**

spirolab III

**diagnostic spirometer
with oximetry option**

**FVC, VC with breathing pattern plus
MVV tests with real time curves**

- High resolution colour screen
- Fast but silent thermal printer
- Digital turbine flow meter with guaranteed accuracy in all environmental conditions
- PRE-POST bronchodilator comparison
- Selectable language and predicted values
- Connectivity: USB, **Bluetooth®** and RS232

Standard device
includes:
Spirolab III
winspiroPRO CD
Carrying case



Two different flowmeters

Reusable turbine for long term use

- High accuracy
- Long term stability
- Easy to clean

Disposable turbine for single patient use

- Very low cost
- High accuracy
- Maximum hygiene guaranteed
- Available in boxes of 100 pieces
- Easy to replace no calibration needed

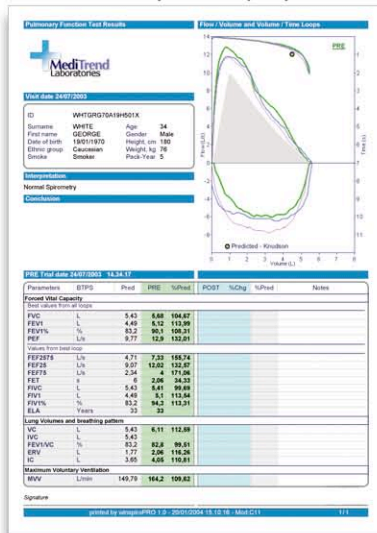
International patent pending



**World's
first
disposable
turbine**

New!

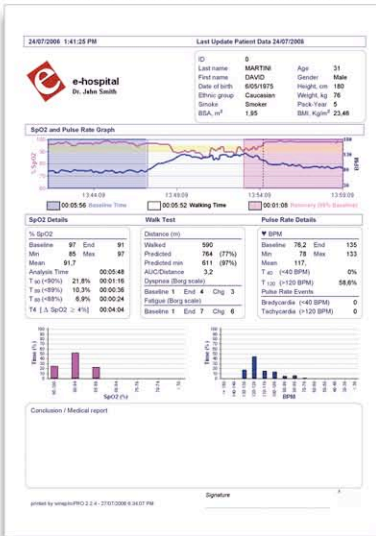
Printout with spirometry report



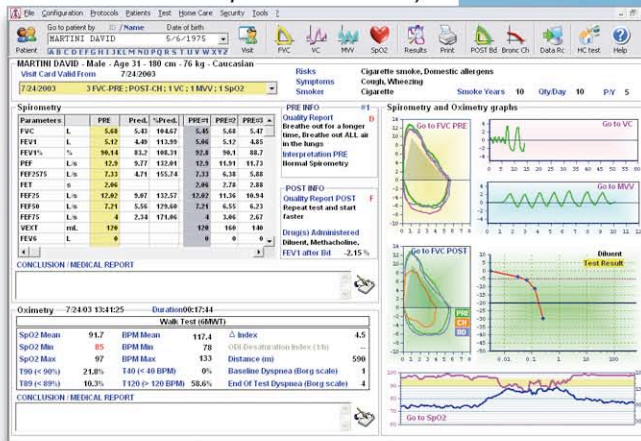
winspiroPRO Software

- On-line PC connection with icon interface
- Real time Flow/Volume and Volume/time curves
- Bronchial challenge with FEV1 dose-response
- Integration with Electronic Medical Record
- Paediatric incentive animations
- Lung age estimation
- Data and graphs export also via **E-mail**

Sample oximetry printout
Exercise Test. Several others available



Screen shot with complete test summary



MEDICAL INTERNATIONAL RESEARCH

MIR

spirolab III
complies
with the new
ATS and ERS
standards

spirolab III Spirometer

Technical specifications

- Power supply: Rechargeable battery and mains power
- Temperature sensor: semiconductor (0-45°C)
- Flow sensor: bi-directional digital turbine
- Flow range: ± 16 L/s
- Volume accuracy: ± 3% or 50 mL
- Flow accuracy: ± 5% or 200 mL/s
- Dynamic resistance: <0.5 cmH2O/L/s
- Connectivity: USB, Bluetooth, RS 232
- Display: FSTN graphic, 320x240 pixel
- Printer/paper: Thermal, 112 mm width
- Mouthpieces: 30 mm external diameter
- Dimensions: 310 x 205 x 65 mm
- Weight: 1,9 Kg circa

Measured parameters

- FVC, FEV1, FEV1/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, FIVC, FIV1, FIV1/FIVC%, PIF, *FVC, *FEV1, *PEF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV (* Best value)

Option: Finger Oximeter

Technical specifications

- SpO2 range: 0-99%
- SpO2 accuracy: ± 2% between 70-99% SpO2
- Pulse Rate range: 30-254 BPM
- Pulse Rate accuracy: ± 2 BPM or 2%

winspiroPRO Software

- SpO2 and Pulse Rate graphic trend
- Flexible reporting with several printout categories
- Statistical analysis of desaturation events

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