MEDICAL INTERNATIONAL RESEARCH

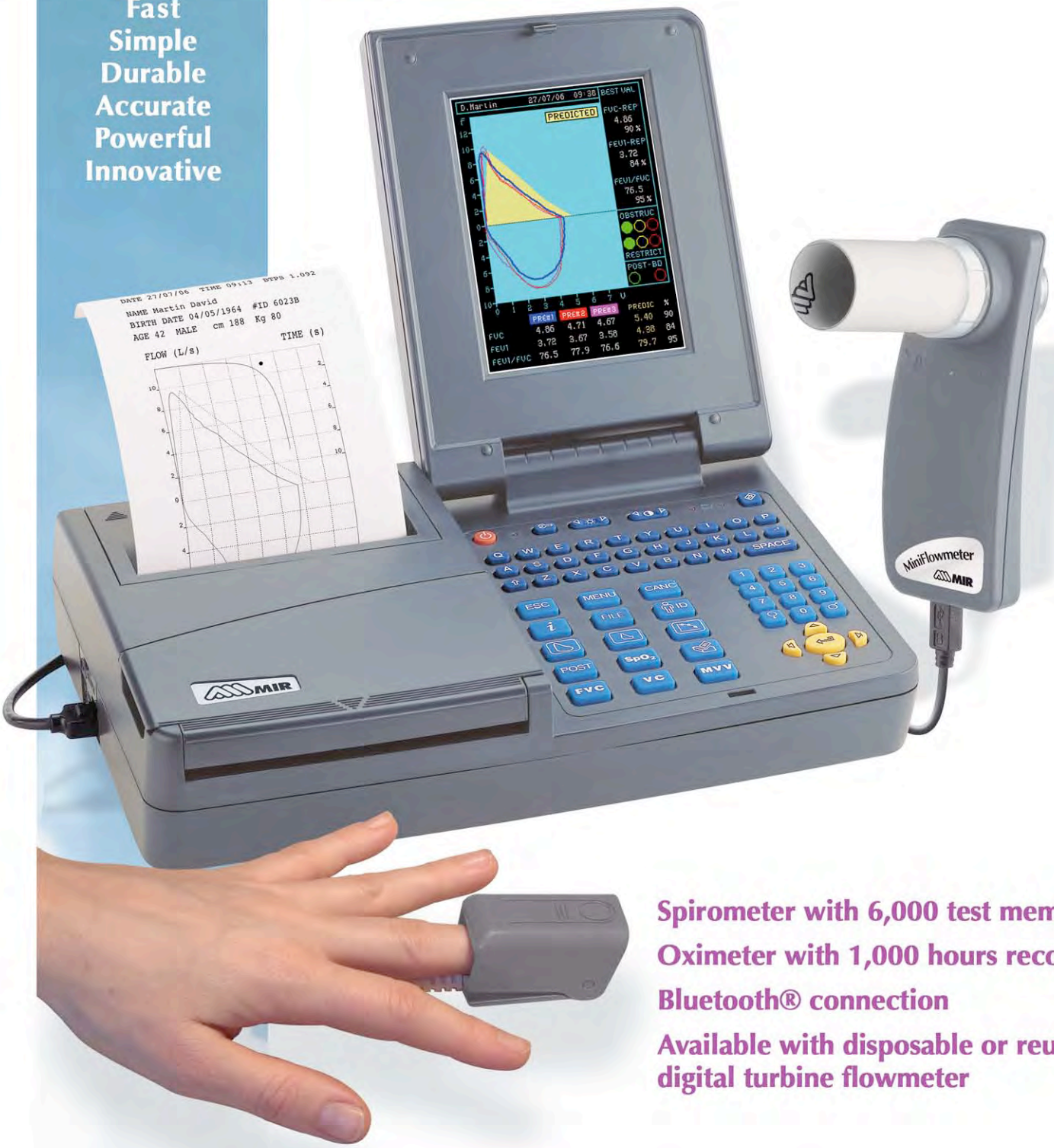
MIR

New!
3rd generation

spirolab III

diagnostic spirometer with oximetry option

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	CE 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

Standard device includes:
Spirolab*III*
winspiroPRO CD
Carrying case

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

New!

Two different flowmeters

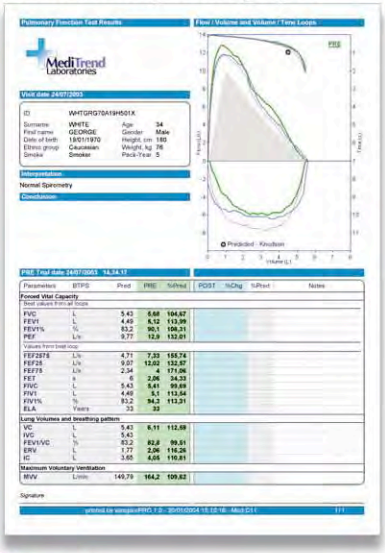
Reusable turbine for long term use
- High accuracy
- Long term stability
- Easy to clean

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

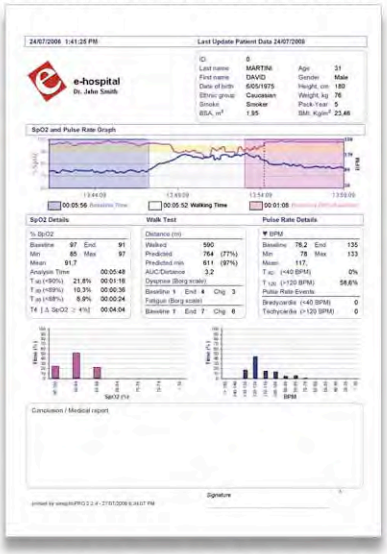
International patent pending

World's first disposable turbine

Printout with spirometry report



Sample oximetry printout
Exercise Test. Several others available



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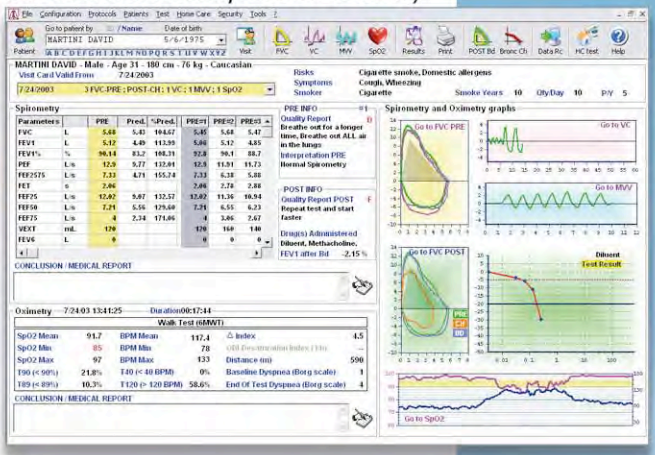
spirolab*III* complies with the new ATS and ERS standards

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***

Screen shot with complete test summary



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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MIR reserves the right to modify the technical characteristics at any time

Ref. Doc. SpiroLAB3_ENG_06_Rev0.PSD