



# spiro**lab**® *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 of recording
- Available with disposable or reusable turbine flowmeter



Telemedicine  
option

SpO2  
option



Remote  
diagnosis via  
web also with  
Bluetooth®  
connection



PC software  
included



Quality Instruments



0476

FDA

Approved

ATS-ERS

Standards

ISO

9001-2000

ISO

13485



Quality Instruments

**spirolab<sup>®</sup> III**  
complies with  
the new ATS  
standard

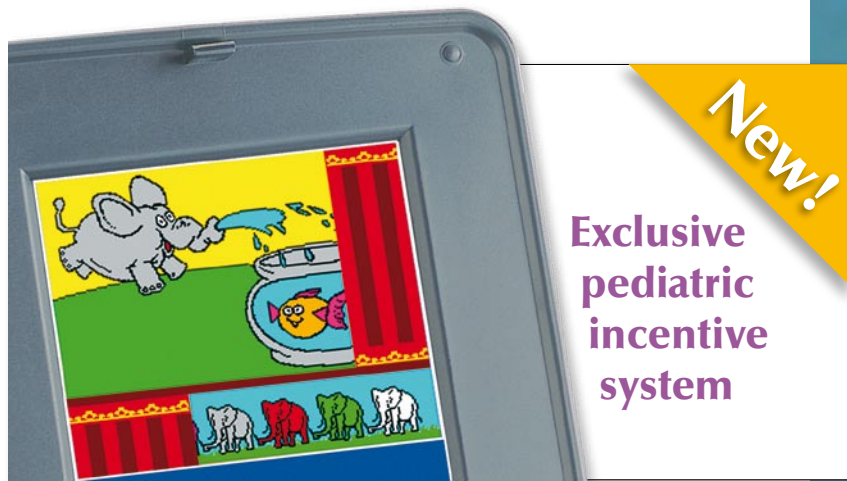
## Spirometer

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



## SpO2 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 pediatric incentive system**

# spirolab<sup>®</sup> III

**diagnostic spirometer with oximetry option**

Standard device includes:  
spirolab<sup>®</sup> III  
winspiroPRO CD  
Carrying case

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

- High resolution color screen
- Fast and silent thermal printer
- Digital turbine flowmeter with guaranteed accuracy in all environmental condition
- PRE-POST bronchodilator comparison
- Selectable language and predicted values
- Connectivity: USB, **Bluetooth<sup>®</sup>** and RS232



## Two different flowmeters available

### FlowMir disposable turbine for single patient use

- High accuracy
- Easy to replace
- Cost Effective
- Individually tested and calibrated
- Available in box of 100 pieces
- No maintenance – No filter – No problem
- Hygiene 100% guaranteed by single packaging



**World's First International Patent Pending**



### Reusable turbine for long term operation

- High accuracy
- Long term stability
- Easy to clean or sanitized



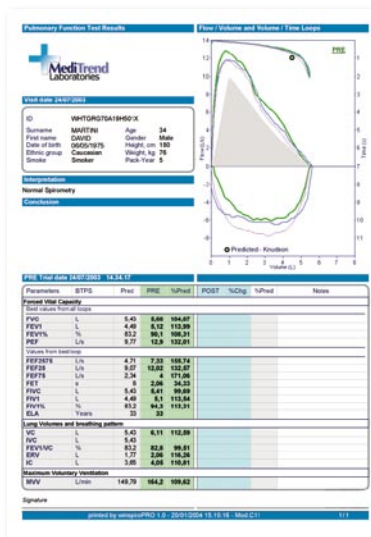
**MIR digital reusable and disposable turbines are developed in full compliance with ATS standards and guarantee accuracy in all environmental conditions**



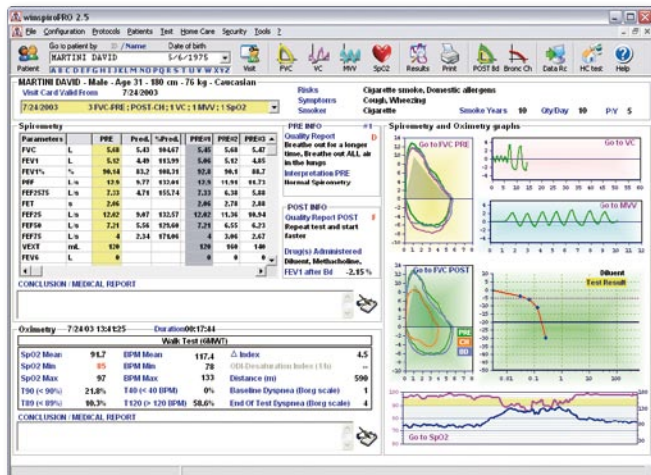
Sample oximetry  
printout Exercise Test.  
Other examples available



Screen shot  
with complete  
test summary



Printout with  
spirometry report



### spirolab<sup>®</sup> 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: ±16L/s
- Volume accuracy: ±3% or 50mL
- Flow accuracy: ±5% or 200mL/s
- Dynamic resistance: <0.5 cmH2O/L/s
- Connectivity: USB, Bluetooth®, RS232
- Display: FSTN graphic, 320 × 240 pixel
- Printer/paper: Thermal, 4.4 inch (112 mm) width
- Mouthpieces: Ø 1.18 inch (30 mm)
- Dimensions: 12.2×8.1×2.6 inch (310×205×65 mm)
- Weight: 4.2 lbs. (1.9 Kg)

#### Measured parameters

- FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, Lung Age, FIVC, FIV1, FIV1/FIVC%, PIF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV

### SpO2 Option

#### Technical specifications

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

#### winspiroPRO PC Software

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

### winspiroPRO PC Software

- Online PC connection with icon interface
- Real time Flow/Volume loop and Volume/time curves
- Bronchial challenge with FEV1 dose-response
- Integration with Electronic Medical Record
- Pediatric incentive animations
- Lung age estimation
- Data and graphs export also via e-mail

### Available options

- PC Software **winspiroPRO NET** (network)
- Adult reusable SpO2 finger probe
- Adult disposable SpO2 finger probe
- Pediatric reusable SpO2 finger probe
- Infant disposable SpO2 probe
- Neonatal disposable SpO2 probe
- Ear clip SpO2 probe
- SpO2 finger probe extension cable

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