



Medical Device Depot Inc.

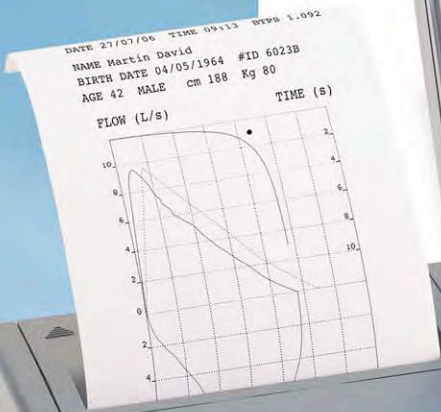
www.medicaldevice depot.com  
1-877-646-3300

New!  
3rd generation

# spirolab III

diagnostic spirometer  
with oximetry option

Fast  
Simple  
Durable  
Accurate  
Powerful  
Innovative



D. Har Lin		27/07/06	09:30	BEST VAL
PREDICTED				
FVC-REP	4.86	90%		
FEV1-REP	3.72	84%		
FEV1/FVC	76.5	95%		
OBSTRUCT				
RESTRICT				
POST-BD				
PRE1 PRE2 PRE3				
FVC	4.86	4.71	4.67	5.40 90
FEV1	3.72	3.67	3.58	4.38 84
FEV1/FVC	76.5	77.9	76.6	79.7 95

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



Recording Time  
Analysis Time

00:23:12  
00:23:04

%SpO2  
Baseline 97.9 Mean 98.0



### Finger Oximeter (option)

- Short or long term (overnight) SpO<sub>2</sub> 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

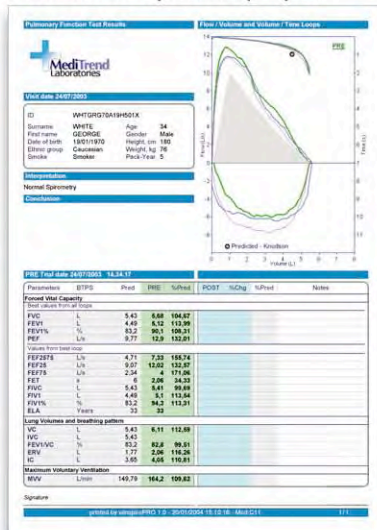
*International patent pending*



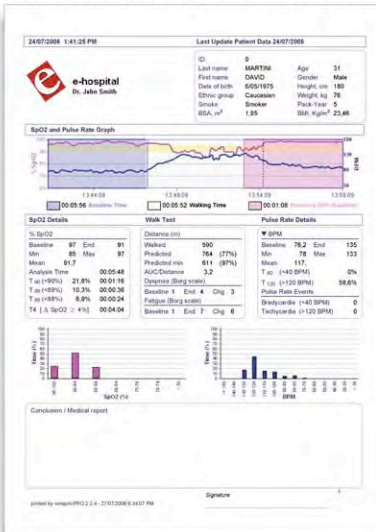
**World's  
first  
disposable  
turbine**

**New!**

Printout with spirometry report



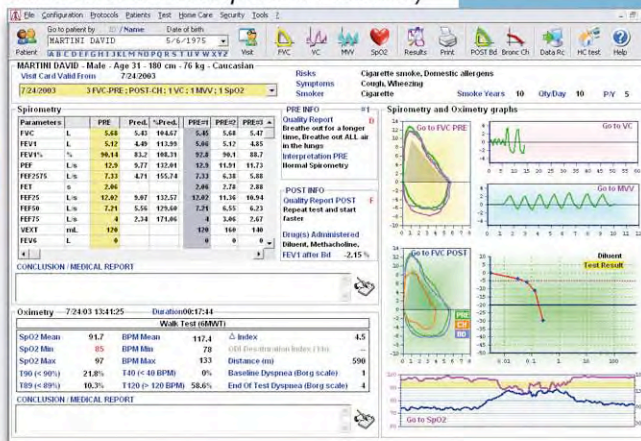
Sample oximetry printout  
Exercise Test. Several others available



### 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 cmH<sub>2</sub>O/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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complies  
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MIR reserves the right to modify the technical characteristics at any time