

Direct

A Powerful Solution for PC-Based Spirometry

The Micro Direct SpiroUSB combines our *gold standard* digital volume transducer with our user-friendly multi-window Spirometry PC Software to create a powerful solution for PC-based spirometry.

The Spirometry PC Software is an easy-to-use spirometry data collection and database system that offers powerful comparative and long term trending facilities including the overlaying of previous test curves for instant comparison.

Requiring two USB ports, the SpiroUSB is ideal for use on any Windows based laptop or desktop computer. Simply install the Spirometry PC software, plug in the dongle and SpiroUSB sensor and you are ready to go. The ease of use means reduced training times and faster patient turnaround. The child incentive display and ATS quality checks ensure maximal results every time.

Micro Direct, Inc.
803 Webster Street
Lewiston, ME 04240
Telephone 800-588-3381
Fax 207-786-7280
www.micro-direct.com



Features

- USB plug and play device - Microsoft Windows and XP certified
- Designed for ease of use with single click operation of all main functions
- Patient and spirometry data storage with powerful search facilities
- Full ATS test quality checks
- Real-time Flow/Volume and Volume/Time traces
- Child incentive animated display
- Choice of predicted normal values
- Estimated lung age and interpretation of spirometry test
- Pre and post bronchodilator comparison
- Long term trend of lung function parameters
- Overlay feature for visual comparison of tests
- Can be used on multiple PC's with dongle software protection key

PC Requirements

- Microsoft Windows 2000 SP4, XP, Vista or Windows 7
- Processor: 800 MHz or above
- RAM: 256 MB
- 50 MB of free hard disk space
- Video: SVGA 1024x768, 256 color.
- Two free USB ports (for dongle protection key and device)
- Internet Explorer 4.01 or higher

Technical Specifications:

Product: Micro Direct SpiroUSB™

Parameters Measured :

VC, EVC, IVC, FEV0.75, FEV1, FEV3, FEV6, FVC, PEF, FEV0.75/VC, FEV0.75/FVC, FEV1/VC, FEV1% (FEV1/FVC), FEV3/VC, FEV3/FVC, FEV0.75/FEV6, FEV1/FEV6, MEF75, MEF50, MEF25, MMEF (FEF25-75), MEF50/VC, MEF50/FVC, MVV, FIV1, FIVC, PIF, FIV1%, MIF25, MIF50, MIF75, R50, MET, FET, TV, ERV, IRV, IC, FRC, RV, TLC, FRC/TLC, RV/TLC and lung age. (all expiratory measurements with baseline, post bronchodilator 1 and 2, % predicted, % change and normal range).

Predicted Normals: NHANES III, Crapo, Polgar, Hsu, Wang and many more

Suggested Interpretation: User Selectable

Flow Technology: Bi-directional digital volume transducer

Resolution: 10 mL volume; 0.03 l/s flow

Data Storage: Actual requirements will vary depending on the amount of data to be stored. Up to 2 GB per database

Accuracy when in Operating Range:

+/- 3% to ATS recommendations - Standardisation of spirometry 1994 update for flows and volumes.

Ordering Info:

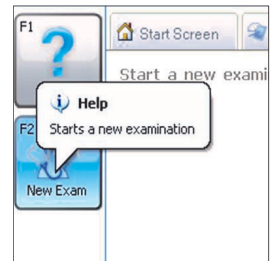
Catalog #:

ML2525	SpiroUSB
3385	SpiroSafe Filters (Bag of 100)
3395	MicroCheck Mouthpieces Cardboard (Box of 200)
3397	MicroCheck Mouthpieces Plastic (Box of 200)
3314SB	Cardboard Mouthpieces (Box of 200)
3314B5	Cardboard Mouthpieces (Box of 500)
PSA1100	Pediatric Adapter
3301	Pediatric Mouthpieces (Bag of 100)
3304	Nose Clips (Bag of 20)
3325	3L Calibration Syringe

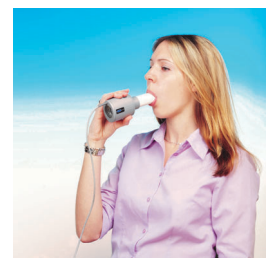
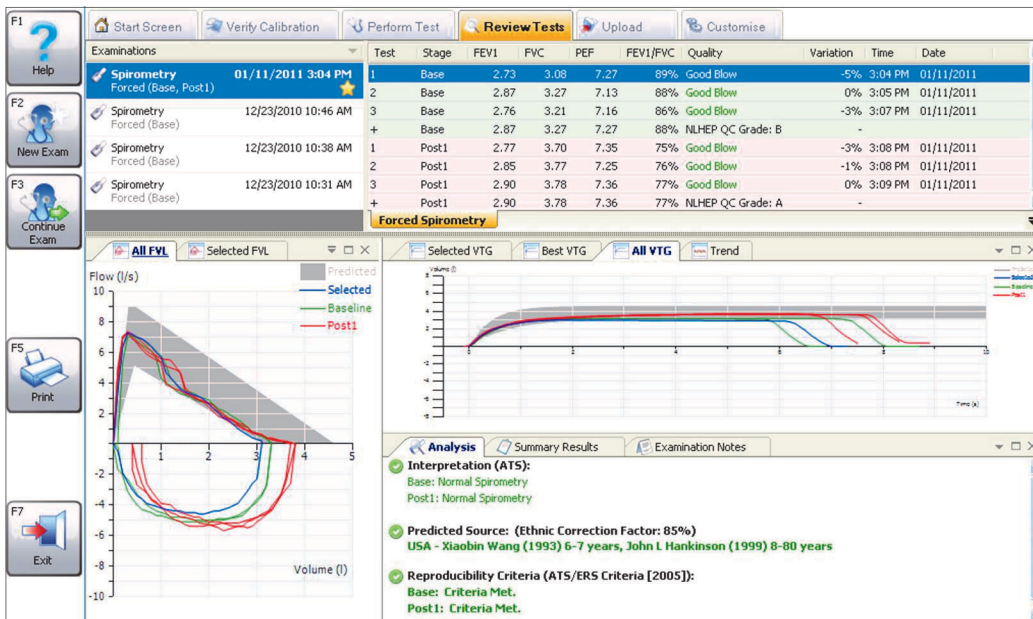
Easy as 1 - 2 - 3



1. Plug into your computer to instantly launch Spirometry PC Software.



2. Click the "New Exam" button in Spirometry PC Software



3. Blow into the SpiroUSB™ and view result



Micro Direct, Inc.
 803 Webster Street
 Lewiston, ME 04240
 Telephone 800-588-3381
 Fax 207-786-7280

www.micro-direct.com