SpiroUSB™

Fully featured PC Spirometry in 3 easy steps

CareFusion

DiscountCARDIOLOGY
www.discountcardiology.com

A Powerful Solution for PC-based Spirometry

The SpiroUSB™ is a revolutionary new type of Spirometer that plugs directly into the USB port of your PC, without the need for any additional docking station or data uploading. Using a Laptop or Notebook, with the SpiroUSB™ allows complete portability.

Designed for the professional, the SpiroUSB™ features the CareFusion renowned Gold Standard transducer.

The instrument is very fast, yet simple to use, allowing instant recognition of the transducer to automatically open and run the accompanying software.

The SpiroUSB™ is supplied with Spirometry PC Software (SPCS). With a user-friendly multi-window interface, up to 58 spirometric indices can be measured. Both Open and Closed loop test techniques can be used and graphical child incentives are included. The long term trending of patient results, lung age calculation, and textual result interpretation are also featured.

The Spirometry PC Software can be easily linked to other patient journal or GP administration systems, occupational health or medical databases..

1. Plug into your computer to instantly launch Spirometry PC Software
2. Click the 'New Examination' button in Spirometry PC Software
3. Blow into the SpiroUSB™ and view results

Features

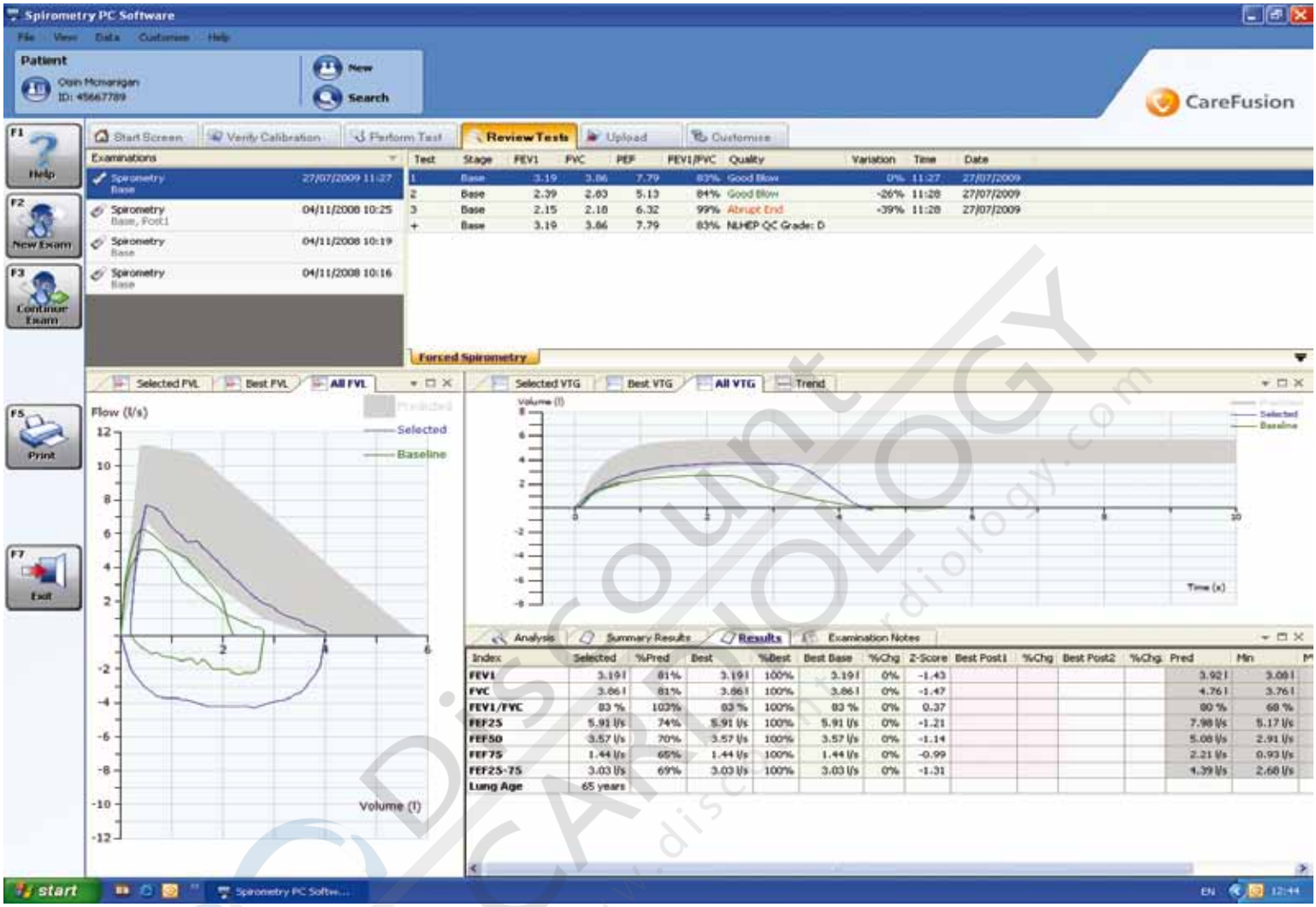
- Modern USB interface
- Spirometry PC Software (SPCS) included
- Plug and use device
- Up to 58 Spirometry indices measured
- No batteries required
- Animated child incentive device
- Configurable printout format
- Full test quality control messages with on-line tutoring and ATS quality checks
- Textual interpretation

Discount Medical Equipment
www.discountmedicalequipment.co.uk

Advanced, user-freindly Spirometry PC Software

Making Spirometry Easy

The CareFusion Spirometry PC Software has been designed to meet the needs of the busy clinician and healthcare provider.



Features

- Individual patient selection for easier testing and workflow
- Overlaying of previous test curves for comparison
- Up to 58 spirometry indices can be measured – both inspiratory and expiratory
- Choice of four animated incentive displays
- Fully ATS/ERS 2005 compliant
- Display of predicted values, % predicted and Z scores
- Powerful, configurable search facility
- Upload of ALL or individual patients from the spirometer results
- Configurable print format
- Can be easily linked to other patient journal, GP administration systems, occupational health systems or other medical databases
- Export capabilities to PDF, CSV, Excel and MS Word
- On screen spirometer calibration / verification and log of calibration data
- Powerful trend function
- Advanced search engine
- Large choice of predicted values
- Comprehensive on screen help at the touch of a button
- Configurable quick start dependent on individual use or national preferences

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Specifications

SpiroUSB™

Measurements Forced:	VC, EVC, IVC, FEV0.75, FEV1, FEV3, FEV6, FVC, PEF, FEV0.75/VC, FEV0.75/FVC, FEV1/VC, FEV1%, FEV3/VC,FEV3/FVC, FEV0.75/FEV6, FEV1/FEV6, MEF75, MEF50, MEF25, MMEF, 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, LUNG AGE, Dyspnoea Score. [all expiratory measurements with baseline, post bronchodilator 1 and 2, % predicted, % change and normal range]
Resolution:	-10ml volume 0.03l/s flow
Accuracy:	+/-3% To ATS recommendations - Standardisation of spirometry 1994 update for flows and volumes.
Transducer:	CareFusion Bi-Directional Digital Volume.

Spirometry PC Software Requirements

Operating System	PC with Microsoft® Windows 2000 SP4, Windows XP Home, Professional, Windows Vista 32 bit/64 bit or Windows 7
Processor/RAM	800 MHz or above/256 MB
Hard Drive Space	50 MB*
Connection	Two free USB ports - for USB Spirometer and dongle key protection
Video	SVGA 800x600, 256 colour (Recommended 1280 x 1024)

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*Actual requirements will vary depending on the amount of data to be acquired. Up to 2 GB per database.

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