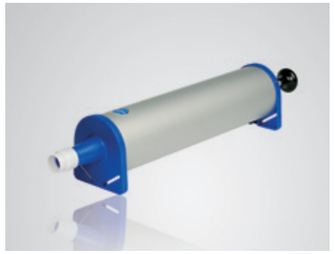
Pulse Oximetry

Our easy to add pulse oximetry module (36-SPO6000) increases the functionality of the MicroLab and MicroLoop, enhancing their reputation as essential tools for the healthcare professional of today dealing with COPD

Features

- Heart Rate and SPO2 Measurements
- Spot Check or Continuous Monitoring for up to 60 minutes
- Audible Signal Quality Warnings for Abnormal Saturation Levels and Heart Rates
- Results and Trends for Storage and /or Printout



Quality and Accuracy

The MicroLab, MicroLoop and Spirometry PC Software all feature comprehensive calibration check modules for both volume and flow rates, in compliance with ATS/ERS guidelines

Accuracy and reproducibility can easily be checked using a 3 litre syringe (36-SM2125)

Infection Prevention

The MicroLab and MicroLoop offer the most comprehensive choice today for the prevention of cross contamination and infection in spirometry

The single use MicroGard (36-MGF1100) bacterial filter ensures all breath samples are filtered of potential contaminates and not released into the environment

Catch It, Bin It, Kill It
Protecting the patient, you and your spirometer

Specifications

MicroLab™ and Loop™

Measurements Forced:	FEV1, FVC, PEF, FEV1/FVC, FEV6, VC, FEV.75, FEV3, FEV.75/VC, FEV.75/FVC, FEV1/VC, (FER), FEV3/VC, FEV3/FVC, FEV.75/FEV6, FEV1/FEV6, FEF25 (MEF75), FEF50 (MEF50), FEF75 (MEF25), FEF25-75 (MMEF), FEF50/VC, FEF50/FVC, MMEF/FVC (FEF25-75/FVC), FIV1, FIVC, PIF, FIV1/FIVC (FIR), FIF25 (MIF75), FIF50 (MIF50), FIF75 (MIF25), R50 (FEF50/FIF50), MET25-75, FET, MVV (ind)
Relaxed:	VT (TV),Ti, Te, Ti/Ttot, EVC, IVC, IC, VT/Ti (TV/Ti), IRV, ERV, FR
Volume Range:	0.1 to 8 Litres (Gold Standard Turbine 0.1 to 9.99 Litres)
Flow Range:	0.2 to 15 Litres per second
Accuracy:	+/- 3% to ATS Recommendations

Spirometry PC Software™

Requirements:	PC with Microsoft® Windows® 7 32 bit/64 bit, Windows® 8 32 bit/64 bit
Processor/RAM:	1 GHz or above/2 GB
Hard Drive Space:	200MB*
Connection:	Two free USB ports - for USB Spirometer and dongle key protection
Video:	SVGA 800x600, 256 colour (Recommended 1280 x 1024)

SPo2 Module

SPO2:	0% to 100%	+/- 2 digits
Heart Rate:	18-300bpm	+/- 1 digit

U.K Sales:
CareFusion UK 232 Ltd
The Crescent, Jays Close
Basingstoke, RG22 4BS
UK

Customer Services
+44 (0) 1256 388550 tel
+44 (0) 1256 330860 fax
micro.uksales@carefusion.com

International Sales:
CareFusion Germany 234 GmbH
Leibnizstrasse 7
D-97204 Hoechberg
Germany

Customer Services:
+49 (0) 931 4972 670 tel
+49 (0) 931 4972 423 fax
micro.internationalsales@carefusion.com

CareFusion USA:
Respiratory
22745 Savi Ranch Parkway
Yorba Linda, CA 92887-4668

800.231.2466 toll free
714.283.2228 tel
714.283.8493 fax

CE 0086

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carefusion.com/micromedical

CareFusion

MicroLab™ and MicroLoop™

The Spirometers of Choice

CareFusion

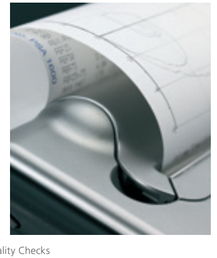
Making Spirometry Easy

The highly versatile, intelligent and beautifully designed MicroLab (36-ML3500-MK8) and MicroLoop (36-ML3535-MK8) have been developed with the very latest user friendly innovations

The high definition colour touch screen and stylus enables the user to navigate the intuitive icon driven menu system with ease. This combination ensures data entry is performed with the advantage of an on-screen language specific keyboard

The portable MicroLab and MicroLoop employs our Gold Standard Turbine measurement technology, which is accurate and reproducible as certified by the ATS (American Thoracic Society), the internationally recognised body for spirometry performance

The easy to use and highly reliable MicroLab and MicroLoop are the essential tools for the healthcare professional of today



The MicroLab's easy load high resolution printer

The MicroLoop's USB PC connectivity, printer and charger docking station

MicroLab and MicroLoop Features

- Full ATS/ERS Compliance
- High Definition Colour Touch Screen
- Check Calibration Facility
- Icon Driven Menu System
- Keyboard On-Screen for Easy Data Entry
- Help Screens with Unique Screen Specific Help Button
- Real Time Viewing Capability
- Quality Checks On Screen for ATS Standards (e.g. Slow Start, Abrupt End, Cough Detected etc)
- 2000+ Patient Test Memory
- 45 Expiratory and Inspiratory Indices Measured (including Relaxed Indices)
- 20+ Predicted Values
- Child Incentive Screens (Bubblegum Kid, Milkshake Kid, Wolf)
- Lung Age Assessment and Result Interpretation by ATS, BTS-NICE or Enright
- Post Bronchodilator and/or Steroid Assessment Tests
- Challenge Testing Protocols
- Direct Connection to External Hewlett Packard Printers

Spirometry PC Software Features

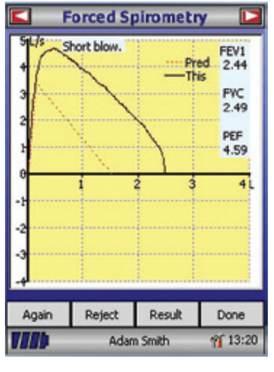
- Easy Workflow and Patient Selection
- Fully ATS/ERS 2005 Compliant
- Check Calibration Facility
- 50 Inspiratory/Expiratory Indices
- Predicted Values, % Predicted and Z Scores
- 4 Child Incentive Displays
- Upload from Spirometer
- Export to PDF, CSV, Excel, MSWord
- Start Up Wizard
- Multiple Languages
- Configurable Print Format
- On Screen Help File
- Powerful Trending

The MicroLab and MicroLoop are fully compatible with our Spirometry PC Software

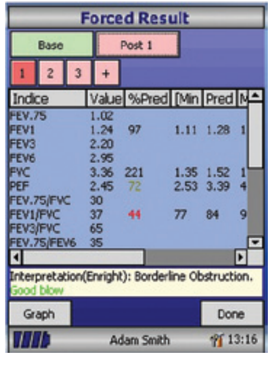
Our user friendly, professional Spirometry PC Software (36-SPC1000) possesses both real time and upload spirometry functionality for patient database management when connected to the MicroLab or MicroLoop

Touch icon main menu

ATS Quality Checks

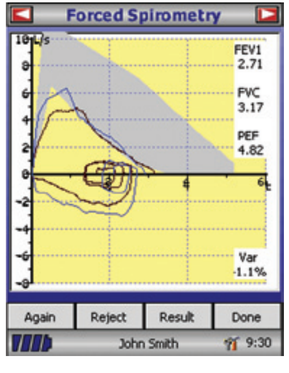


Comprehensive results screen

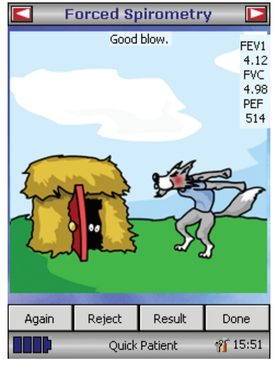


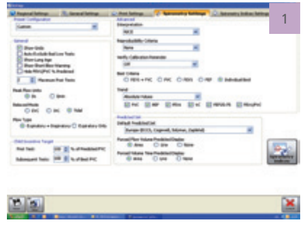
Touch screen keyboard

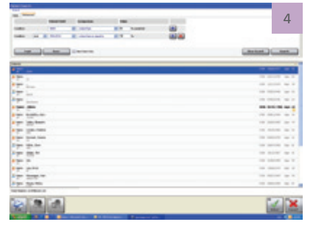
Closed Loop Spirometry (Expiratory and Inspiratory)



Child Incentive device







1. Fully configurable settings including interpretation and predicted values
2. Calibration check screen
3. Fully customisable report
4. Powerful database search feature