

Welch Allyn PC-Based
SpiroPerfect™
Spirometer

WelchAllyn®
Advancing Frontline Care™



Welch Allyn PC-Based SpiroPerfect Spirometer provides accurate, integrated patient information at your fingertips for improved patient safety and enhanced clinical decisions.

Now you can spend less time with paperwork and more time with your patients. With immediate access to accurate patient data you can clearly evaluate pulmonary obstruction or restriction, help increase success rates of patients who are undergoing smoking cessation, show progress, and help pediatric patients comply with test procedures.

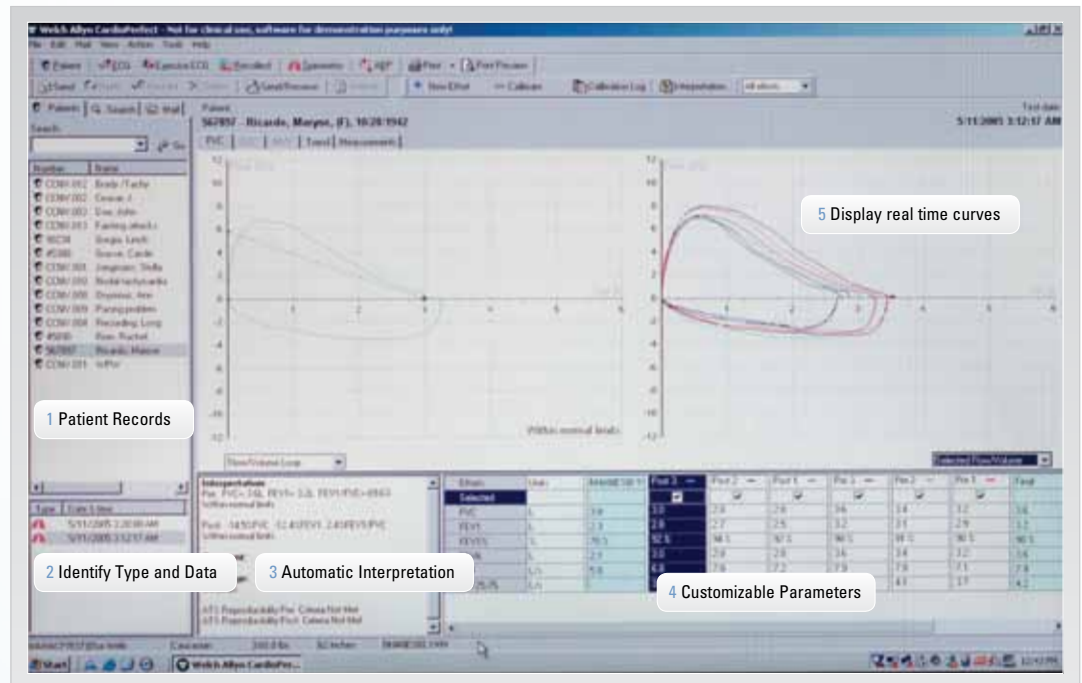
Fast, reliable pre- and post-bronchodilator FVC, SVC and MVV testing with automatic interpretation and reversibility analysis

- View real-time Flow/Volume Loop and Volume/Time graphs
- Instantly verify quality and variability of proper test performance
- Motivate children with incentive graphic—for pediatric patient coaching
- Reduce risk of cross contamination with single-use disposable transducers
- Select single- and multiple-flow calibration protocols

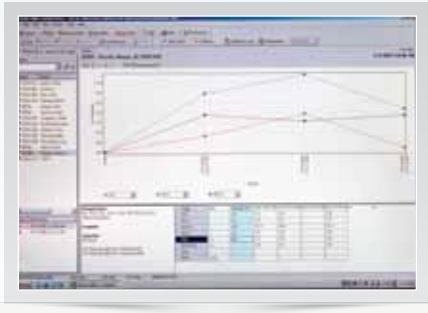
Easily monitor, review, store and print on your existing computer with the Welch Allyn CardioPerfect™ Workstation

- Choose from multiple predicted norms and report formats
- Compare previous tests with the Trending tool
- Make available to multiple staff via computer network
- Bidirectional interface with most electronic health records or patient management systems for onsite or offsite review of key data

Integrated.
Customizable.
Intuitive.



- 1 Store, retrieve, print or edit **patient records** using the Welch Allyn CardioPerfect Workstation database.
- 2 Easily **identify** all diagnostic test types and dates that each procedure was performed.
- 3 **Automatic interpretation** follows ATS interpretative strategies and test reproducibility criteria.
- 4 See a quick snapshot of patient results. Select from 6 parameters to show real-time testing and summary. View measurement tables with 19 **fully-customizable parameters**.
- 5 **Display real time curves** as Flow/Volume, Volume/Time, Flow/Time or Pre, Post. All efforts or best effort can be displayed on the same graph for easy comparison.



- Compare tests done on different days and clearly see progress
- View three parameters at once as a percentage of predictive values or of absolute value



- Convenient, accurate, patented **Disposable Flow Transducers**. Use for adults or children
- Breakaway feature minimizes the risk of cross contamination
- No sterilization, no cleanup—just safety and savings



- Coach, motivate and make testing more fun
- The **Incentive Screen** helps children understand your goals and comply with testing protocols

Get connected to your EHR through Welch Allyn CardioPerfect™ Workstation Software

Perform patient test
with Welch Allyn PC-Based
SpiroPerfect™ Spirometer



Immediately transfer
test data to the electronic
health records systems



No more copying, scanning and shredding reports—with a bidirectional interface to most EHRs, you can immediately capture and retrieve patient data, acquire a test and view results anywhere on the network.

- Retrieve records with the touch of a key, and review and edit right on the screen
- Store thousands of records with ease
- Immediate access to information from your exam rooms, different office locations, or from home
- Fax or e-mail reports directly for referral consults
- Compare and edit diagnostic test data from any computer on your network
- Add additional cardiopulmonary diagnostic testing modules like ECG, ABPM, or stress as your practice grows
- Copy and paste spiromographs into Microsoft® Word
- Data security features include user roles, password protection and audit trail capability to assign/limit tasks so that data integrity is maintained

Welch Allyn SpiroPerfect™ PC-Based Spirometer

Technical Specifications

<p>SpiroPerfect Tests</p> <p>Sensor Type</p> <p>Power Equipment</p> <p>Accuracy</p> <p>Reproducibility</p> <p>Volume Range</p> <p>Flow Range</p> <p>Software</p> <p>Predictive Norms</p> <p>Interpretation</p> <p>Reports</p> <p>Incentive Graphic Parameters</p>	<p>Computer-based full diagnostic spirometer</p> <p>FVC, SVC, MVV, Pre- and Post-BD</p> <p>Pneumotach</p> <p>None, obtained from USB port</p> <p>Meets or exceeds 1994 ATS standard</p> <p>Meets or exceeds 1994 ATS standard</p> <p>0-14 L</p> <p>±14 L/sec</p> <p>Windows® XP, Vista and 7 compatible</p> <p>Berglund 1963, Crapo 1981, Dockery 1983, ECCS/Quanjer 1993, Falaschetti 2004, Forche II 1988, Langhammer 2001, Hedenström 1986, Hibbert 1989, Hsu 1979, Knudson 1976, Knudson 1983, Koillinen 1998, Kory 1961, Morris 1971, NHANES III 1999, Polgar 1971, Roca 1986, Schoenberg 1978, Solymar 1980, Viljanen 1981, Wang 1993, Zapletal 1969</p> <p>1991 ATS Interpretation Standards. Automatic can be disabled. Manual interpretation available.</p> <p>Lung age calculation</p> <p>Multiple report templates including FVC, SVC, MVV, measurement, and trend</p> <p>Fireman</p> <p>FVC, FEV0.5, FEV1, FEV2, FEV3, FEV5, FEV6, FEV0.5, FEV0.5%, FEV1%, FEV1/FVC, FEV2%, FEV3%, FEV5%, FEV6%, PEF, FEF25, FEF50, FEF75, FEF0.2-1.2, FEF25-75, FEF75-85, FEF50/FIF50, FEV1/FEV6, FET, MEF25, MEF50, MEF75, FIVC, FIV1, FIV1%, PIF, FIF50</p> <p>SVC, ERV, IRV, VT, IC, BF, MV, Tin, Tex, Tin/Tex</p> <p>MVV, MV, VT, BF, DFRC</p>	<p>Bidirectional Connectivity</p> <p>Quality Checks</p> <p>Connectivity</p>	<p>Allscripts MyWay, Allscripts Pro, Allscripts Enterprise, eClinicalWorks, e-MDs, GE Centricity, GEMMS, Greenway, Pactice Partners, NextGen</p> <p>Effort acceptability and test reproducibility checks</p> <p>Audio and visual incentive for assistance in coaching patients</p> <p>Part of the CardioPerfect™ Diagnostic Suite</p> <p>Export compatible with most electronic medical records programs</p> <p>Available in multiuser network</p> <p>Telemedicine option for secure e-mail transfer</p>
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Minimum Computer Requirements (Recommended)

Processor	Intel® Pentium® III (Pentium IV or higher)
Hard Drive:	2 GB (4 GB or more)
RAM	256 MB (512 MB or higher)
Monitor Resolution	1024 x 768 true color
Operating Systems	Windows® XP, Vista, and 7
CD-ROM	Required for installation
Printers	Color printer recommended. Compatible with inkjet and laser printers. Laser printers require a minimum of 2 MB of memory

Performance Standards

SpiroPerfect meets or exceeds the following standards:

ATS/ERS—American Thoracic Society/European Respiratory Society, Standardization of Spirometry, 2005 Update

NIOSH—National Institute for Occupational Safety and Health

OSHA—Occupational Safety and Health Administration

SSD—Social Security Disability

ECCS—European Community for Coal and Steel

Ordering Information

<p>SPIRO-S</p> <p>SPIRO-NS</p> <p>703418</p> <p>703419</p> <p>703415</p> <p>100680</p> <p>703480</p>	<p>SpiroPerfect™ PC-Based Spirometer Module: PC Spirometer Module with 3 L calibration syringe. Includes: sensor, pressure tubing, 8 flow transducers, electronic operator's manual, Welch Allyn CardioPerfect™ Workstation Software CD, 2 training posters, and quick reference card</p> <p>SpiroPerfect™ PC-Based Spirometer Module: PC Spirometer Module without 3 L calibration syringe. Includes sensor, pressure tubing, 8 flow transducers, electronic operator's manual, Welch Allyn CardioPerfect™ Workstation Software CD, 2 training posters, and quick reference card</p> <p>Disposable Spirometer Flow Transducer, 25 pk</p> <p>Disposable Spirometer Flow Transducer, 100 pk</p> <p>Pressure Tubing, 2 m</p> <p>Nose Clip (25 pk)</p> <p>Calibration Syringe (3 liters)</p>
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CPT Codes

<p>94010</p> <p>94060</p>	<p>Basic Spirometry—Spirometry including graphic record, total and timed vital capacity, expiratory flow rate measurement(s), with or without maximal voluntary ventilation</p> <p>Pre- and Post-BD—Bronchospasm evaluation: spirometry as in 94010, before and after bronchodilator (aerosol or parental), or before and after exercise</p>
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To learn more about the Welch Allyn SpiroPerfect PC-Based Spirometer or to request a demonstration, contact your Welch Allyn representative. You'll find a solution that not only improves patient care, but provides priceless peace of mind.

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