

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>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>Microsoft® Windows® 2000 and XP compatible</p> <p>Berglund 1963, Crapo 1981, Composite, Dockery 1983, ECCS/Quanjer 1993, Falaschetti 1995, Gulsvik 2001, Hedenström 1986, Hsu 1979, Knudson 1976, Koillinen 1998, Kory 1961, Morris 1971, NHANES III 1999 [Default], Polgar 1971, Schoenberg 1978, Solymer 1980, Viljanen 1981, Zapletal 1969</p> <p><small>Additional predictive norms can be added upon customer request</small></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, FIVC, FIV1, FIV1%, FEV0.5, FEV1, FEV2, FEV3, FEV5, FEV6, FEV0.5%, FEV1%, FEV2%, FEV3%, FEV5%, FEV6%, PEF, FEF25 (MEF75), FEF50 (MEF50), FEF75 (MEF25), FEFO.2-1.2, FEF25-75, FEF75-85, PIF, FIF50, FEF50/FIF50, FET SVC, ERV, IRV, VT, IC, BF, MV, Tin, Tex, Tin/Tex</p>	<p>Quality Checks</p> <p>Connectivity</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 e-mail transfer</p>
<p>Interpretation</p> <p>Reports</p> <p>Incentive Graphic Parameters</p>	<p>Minimum Computer Requirements (Recommended)</p> <p>Processor</p> <p>Hard Drive</p> <p>RAM</p> <p>Monitor Resolution</p> <p>Operating Systems</p> <p>CD-ROM</p> <p>Printers</p>	<p>Performance Standards</p> <p>SpiroPerfect meets or exceeds the following standards:</p> <p>ATS—American Thoracic Society, Standardization of Spirometry, 1994 Update</p> <p>ERS—European Respiratory Society</p> <p>NIOSH—National Institute for Occupational Safety and Health</p> <p>OSHA—Occupational Safety and Health Administration</p> <p>SSD—Social Security Disability</p> <p>ECCS—European Community for Coal & Steel</p>	

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, 4 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, 4 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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WelchAllyn®

Advancing Frontline Care™

Precise information.
Easier diagnoses. Better patient care.



INTRODUCING

The Welch Allyn SpiroPerfect™ PC-Based Spirometer

WelchAllyn®

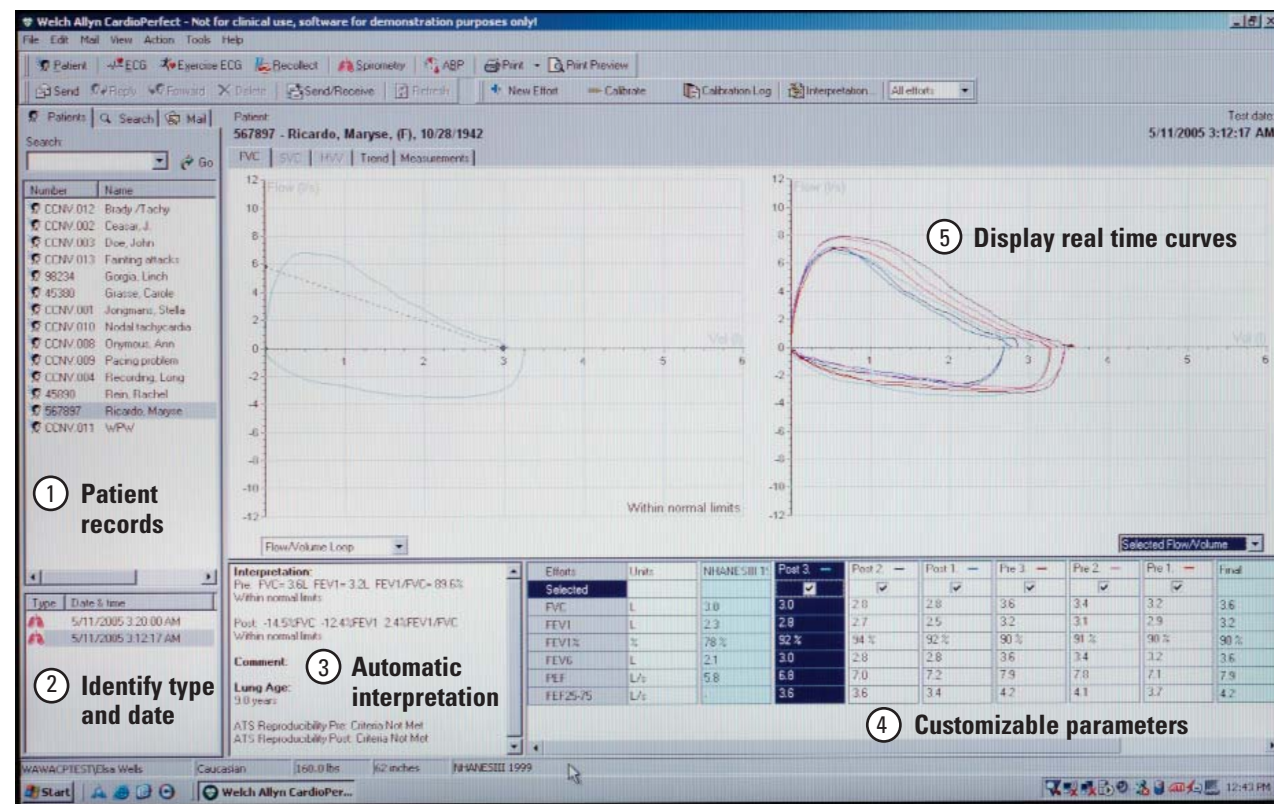
Advancing Frontline Care™

Accurate, integrated patient information at your fingertips

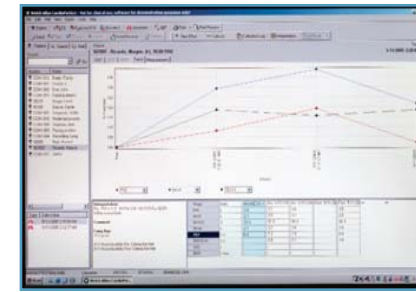
In seconds, you and your staff can see and compare accurate results from pulmonary function tests with the friendly, featherweight Welch Allyn SpiroPerfect™ PC-Based Spirometer. You can clearly evaluate pulmonary obstruction or restriction, increase success rates of patients who are undergoing smoking 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
 - > Interface with Electronic Medical Records or patient management systems for onsite or offsite review of key data. Telemedicine option is available for e-mail transfer.

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 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.



Enjoy the convenience of our accurate patented **Disposable Flow Transducers**. Designed for use by an adult or child, these single-use disposables minimize the risk of cross contamination. No sterilization, no cleanup—just safety and savings.



Coach, motivate and make testing more fun. Because children understand how to help the fireman put out the fire, the **Incentive Screen** helps children understand your goals and comply with testing protocols.

Get connected to your EMR through Welch Allyn's CardioPerfect™ Workstation Software



The Welch Allyn SpiroPerfect™ PC-Based Spirometer downloads information to the Welch Allyn CardioPerfect™ Workstation Software, which provides paperless efficiency as well as connectivity to many leading EMR systems. This software puts patient records from a variety of Welch Allyn diagnostic instruments at your fingertips, giving you the ability to store, access, review, compare and edit diagnostic test data from any computer on your network.

- Retrieve records with the touch of a key, and review and edit right on the screen
- Store thousands of records with ease
- Access information from your exam rooms, your office, or at home
- Fax or e-mail reports directly for consults
- Add additional cardiopulmonary diagnostic testing devices like ECG, ABPM, or Holter as your practice grows
- Copy and paste spiromographs into Microsoft® Word
- Integrate with other patient information systems
- Uses passwords to assign/limit tasks so that data integrity is maintained