

SpiroCard

PC-based spirometer maximizes portability and data access with option to add pulse oximetry in same device

Spirometry/ Pulse Oximetry

Imagine the convenience of administering spirometry tests to any patient in any room. Burdick's SpiroCard is on a PCMCIA card, providing you diagnostic testing in an easily portable package. SpiroCard card is full-featured and performs all the measurements performed on a conventional instrument. The device interfaces to Office Medic™ software for real-time data access, reporting and archival.

The Convenience of PC-Based Technology

The SpiroCard is a Type II PCMCIA card for your computer that will allow you to perform spirometry tests anywhere anytime. Simply plug the card into a laptop computer and you are ready to begin testing. The spirometry device is also available with pulse oximetry – the SpirOxCard.



All the Capabilities You'd Expect from a Conventional Spirometer

The PC card-based spirometer is a full-fledged spirometer capable of pre- and post-bronchodilation studies and measurements of complete FVC, MVV and SVC tests. The innovative mouthpieces are biodegradable, precalibrated and disposable. They are serialized to prevent cross contamination. The Office Medic software permits them to be used by just one patient. Enjoy blow and throw convenience with these environmentally friendly mouthpieces.

PC-Based Viewing, Reporting and Archival

Office Medic software complements the SpiroCard medical device. Office Medic lets you view spirometry data real-time, print reports and store results for future analysis.

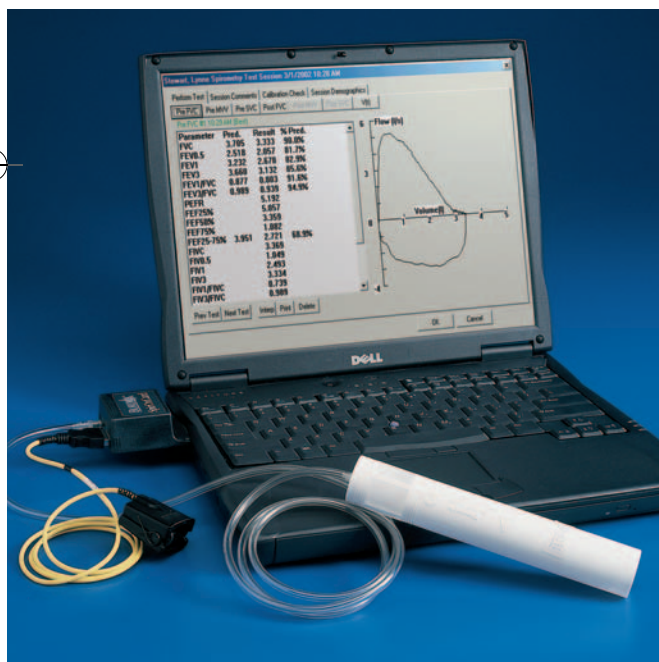
The optional Office Medic Integrated Data Management System enables test results to be stored on a network or interfaced to a clinical data management system. This provides instant access to test results and secure storage on a central database.

Easy Switch to Pulse Oximeter Device

Now add pulse oximetry in the same device. Just plug the data cable into the SpirOxCard, attach the finger clip to the patient and you are able to both spot check and record your patient's pulse and %SpO₂.

Features

- SpiroCard is on a single PCMCIA card, providing diagnostic testing in an easily portable package
- Full-featured spirometer performs all measurements performed on conventional devices
- Spirometer features patented, disposable and biodegradable patient filters
- Burdick's SpirOxCard includes pulse oximetry in the same device
- Both devices interface to Office Medic software for real-time data access, reporting and archival



Record patient blood oxygen saturation and pulse rate for up to 24 hours. Display spirometry graphs, numeric results and predictors.

BURDICK®

SpiroCard

TECHNICAL SPECIFICATIONS

SpiroCard Specifications

Dimensions	2.09" W x 5.51" D x 1.02" H (53 mm x 140 mm x 26 mm)
Weight	85 grams (less than 3 ounces)
Certifications	UL CUL listed
Warranty	Device 3 years return for exchange; Sensors 90 days

Oximeter Specifications

Ranges	Percentage of saturation: 0 to 100%; pulse rate: 18 to 300 pulses per minute
Accuracy	SpO ₂ (+/- 1 SD) = 70-100% +/- 2% of full scale; Pulse rate: +/- 3% (+/- 1 digit)
Record time	Up to 24 hours
Parameters	SpO ₂ ; pulse rate

Spirometry Specifications

Range	FLOW: +/- 14 liters/second
Volume	0 – 8 liters BTPS
Accuracy	Complies with American Thoracic Society (ATS) Standards for Spirometry, 1994 Update
Flow	+/- 5% of indication or 200 ml/sec, whichever is greater for FEF 25-75, and +/- 10% or 400 ml/sec whichever is greater for PEF
Volume	+/- 3% or 50 ml, whichever is greater for FVC and FEV1
Parameters measured	FVC, FEV0.5, FEV1, FEV1/FVC, FEV3, FEV3/FVC, PEFR, FEF25%, FEF50%, FEF75%, FEF25-75%, FIVC, FIV0.5, FIV1, FIV1/FIVC, FIV3, FIV3/FIVC, PIFR, FIF50%, FIF 25-75%, FIF.21.2, FVC/FIVC, PIFR, Ext.Vol., MVV, RR, MTV, SVC
BTPS conditions	Comply with American Thoracic Society Standards for Spirometry, 1994 Update
Elevation corrections	0 to 15,000 feet (0 – 4,572 meters)
Calibration	ATS 3-speed or standard calibration check
Predicted normals	Crapo/Cherniack/Morris/Knudson 1983 Polgar/Hsu/Roberts/Warwick/ECCS
Tests performed	FVC, pre/post testing, flow volume loop, MVV, SVC
Measuring time	FVC, up to 30 seconds
Printed scale	Flow-Volume: (vertical) .5 cm/L/S; (horizontal) 1 cm/1L Volume-Time: (vertical) 1 cm/iL; (horizontal) 1 cm/second

Computer Requirements

Office Medic Software	Desktop or laptop PC: Operating system: Windows® 98/2000/XP Home or Pro. SpiroCard may not fit in all internal PC slots; Office Medic minimum requirements equal to operating system minimum requirements; Type II PC Card Slot; The SpiroCard may not fit into some desktop computers
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Patented, disposable and biodegradable patient mouthpieces.

A Suite of Tests for Your Computer

Burdick offers the ability to combine spirometry, pulse oximetry, ECG, Holter and ABP tests on one computer. This integration can save you time and money since all tests utilize the same computing platform.

Protected by Burdick's Warranty and Service

Burdick protects your SpiroCard with a three-year warranty. During this period, Burdick provides a toll-free phone number for technical support. If the unit needs to be returned to the factory for any reason during the warranty period, the unit will be exchanged.

ORDERING INFORMATION

92525-01	SpiroCard, English language version
92526-01	SpiroCard, English language version
010-1605-00	SpiroCard or SpiroCard mouthpieces (100 Quantity)
010-1606-00	Pressure tubes (25 Quantity)

Phone: 800-777-1777, 608-764-1919 • Fax: 608-764-7190 • www.burdick.com • info@burdick.com

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