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 Conveniences 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.
## 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**: \( \text{SpO}_2 \) (+/- 1 SD) = 70-100% +/- 2% of full scale; Pulse rate: +/- 3% (+/- 1 digit)
- **Record time**: Up to 24 hours
- **Parameters**: \( \text{SpO}_2 \); 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, PEF, FEF25%, FEF25-75%, FVC, FIV0.5, FIV1, FIV1/FIVC, FIV3, FIV3/FIVC, PIFR, FIF50%, FIF25-75%, FIF 25-75%, FIF25, FIF21,2, 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/L; (horizontal) 1 cm/second

### Computer Requirements

- **Office Medic Software**: Desktop or laptop PC; Operating system: Windows® 98/2000/XP Home or Pro; SpirOxCard 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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**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>92526-01</td>
<td>SpirOxCard, English language version</td>
</tr>
<tr>
<td>92526-01</td>
<td>SpiroCard, English language version</td>
</tr>
<tr>
<td>010-1605-00</td>
<td>SpirOxCard or SpiroCard mouthpieces (100 Quantity)</td>
</tr>
<tr>
<td>010-1606-00</td>
<td>Pressure tubes (25 Quantity)</td>
</tr>
</tbody>
</table>

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

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