SentrySuite™ Software Platform
intelligent respiratory diagnostics
THE POWER OF SENTRYSUITE. SIMPLE TO OPERATE, YET SOPHISTICATED FOR YOUR TEAM’S WIDE-RANGING CLINICAL NEEDS.

Our SentrySuite software powers all of your Vyntus™ Systems, making them incredibly easy to operate from system-to-system and test-to-test. The simple user interface with guidance cues and QC feedback, ensures that patient test performance is acceptable and repeatable. And, SentrySuite provides automated workflow processes that let you keep tabs on the status of every test, simplifying operations in even the busiest labs.

SentrySuite seamlessly connects with your existing network and clinical infrastructures, making collaboration easy from everywhere. And, all of this happens under an advanced umbrella of cybersecurity, with stringent access controls to keep sensitive patient information safe and protected.

Complete PFT and CPET measurement in one user-friendly interface.

Every stage, from calibration to reporting, is navigated without moving to another program. ONE screen allows clinicians and physicians a completely inclusive view.

Measurement capabilities:
- Complete Spirometry (FVC, SVC, MVV) pre/post dilator
- Bronchial Challenge Testing
- Lung Volumes, FRC by N2 Washout
- Body Plethysmography (FRC pleth, Raw)
- SB Diffusing Capacity
- SB Diffusing Capacity, Intrabreath
- MIP/MEP
- IOS
- CPET, breath-by-breath
- REE, mask
- ECG, Rest & Stress

Our SentrySuite software powers all of your Vyntus™ Systems, making them incredibly easy to operate from system-to-system and test-to-test. The simple user interface with guidance cues and QC feedback, ensures that patient test performance is acceptable and repeatable. And, SentrySuite provides automated workflow processes that let you keep tabs on the status of every test, simplifying operations in even the busiest labs.

SentrySuite seamlessly connects with your existing network and clinical infrastructures, making collaboration easy from everywhere. And, all of this happens under an advanced umbrella of cybersecurity, with stringent access controls to keep sensitive patient information safe and protected.
SentrySuite software guides both technicians and patients through a quality testing experience.

**Forced Spirometry**
- Colored guidance bar for in-test exhalation time and plateau recognition
- Check marks for spirometry end-of-test criteria
- Online breathing curves

**Body Plethysmography**
- Colored stability bar for VT, BF, sRaw and FRCpleth during body plethysmography
- FRCpleth notification for conformity

**CO Diffusion SB Realtime**
- Breath-hold timer and mouth pressure control
- Online content guidance ideal for new personnel

**Animation incentives**
Choose from 10 different patient animations for forced spirometry. And, easily set target ranges for different patient needs.

And provides Quality Control tools to help technicians assess both patient and device performance.

After each trial, SentrySuite provides feedback on the acceptability and repeatability of the measurement, checking the results against the ATS/ERS guidelines or other defined standards.

**Biological Control**
SentrySuite supports biologic control testing with a separate BIO QC database. The BIO QC data is easily identified and isolated for trending and further analysis.

**Mechanical Quality Control**
With SentrySuite Quality Management you can validate your measurement device using calibrated syringes, FRCpleth or DLCO simulators. Predefined special SeS QM patients automatically switch-off BTPS compensation and correct appropriately for mechanical dead space.
The power of SentrySuite makes it easy to visually track each patient through their laboratory visit.

SentrySuite’s flexible workflow has extensive filtering capabilities and can be customized to add additional steps, such as reviews by multiple clinicians. And, it supports PDF uploads from other programs with the ability to add comments. It’s highly adaptable for any laboratory’s needs.

- Ultra fast report view with results on the left and interpretation on the right
- Customized interpretation templates and macros
- Electronic signature
- Automated ‘Send-To-HIS’ functionality
- Status management
- SentrySuite Mobile Review provides a web-based solution

SentrySuite’s flexible workflow has extensive filtering capabilities and can be customized to add additional steps, such as reviews by multiple clinicians. And, it supports PDF uploads from other programs with the ability to add comments. It’s highly adaptable for any laboratory’s needs.

The power of SentrySuite makes it easy to visually track each patient through their laboratory visit.
Comprehensive reporting that's simple to customize.

SentrySuite provides recommended reporting capabilities with highly adaptable customization to suit your team’s specific needs:

• Compare previous PFT results in one view
• Combine gas exchange data and ECG data in a single report
• 2017 DLCO grading
• Numerical and graphical Z-score capability including colorized Quanjier bars for severity

Graphic display offers easy review of patient trends.

With the power of SentrySuite, trending reports are standard; one click shows long term data for any parameter.
Vyntus Questionnaire. One more way to make your work processes more efficient.

Vyntus Questionnaire allows efficient collection of pre-test information. It can be collected on the SentrySuite workstation or via mobile devices. Once completed, answers are automatically scored if needed, and seamlessly integrated into the patient record. SentrySuite offers standard questionnaires, or create your own using the optional Questionnaire Designer, with a variety of question types. Everything is right where you need it, when you need it most.

The power of SentrySuite brings scoring functionality to your questionnaires.

Vyntus Questionnaire App

Save time and use a tablet or phone to collect your patient’s data while they’re waiting for their appointment.

- Mobile multi-platform—iOS or Android
- Multilingual and intuitive menu navigation
- Secure communication
- Integration of patient image

The power of SentrySuite brings scoring functionality to your questionnaires.

Fundamental offline capabilities.

Extend and populate your SentrySuite database with additional external measurements, like exhaled NO, lactate values and blood gases.

1. Create a new parameter set or use implemented parameter sets
2. Type in and save your measurement results to the SentrySuite database
3. Interpret, view and print together with your PFT/CPET data on one common report

Example of an offline Nitric Oxide measurement entry.

### Spriometry

<table>
<thead>
<tr>
<th>Pred</th>
<th>Best</th>
<th>% (BP)</th>
<th>FVC</th>
<th>FEV1</th>
<th>FEV1 % CO MAX</th>
<th>Exhaled NO</th>
<th>NO</th>
<th>Level date</th>
<th>Level time</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.69</td>
<td>4.57</td>
<td>97</td>
<td>4.57</td>
<td>4.31</td>
<td>4.46</td>
<td>13.04</td>
<td>0</td>
<td>10.55</td>
<td>10.55</td>
</tr>
</tbody>
</table>

SECURE CONNECTIVITY

NORMATIVE REFERENCE VALUES & RESEARCH

QUESTIONNAIRES & OFFLINE CAPABILITIES

INTERPRETATION & TRENDING

WORKFLOW & REVIEW

GUIDANCE & QUALITY

MEASUREMENT
SentrySuite includes a comprehensive Normative Reference Library

SentrySuite comes ready-equipped with normative reference modules that include the most up-to-date recommendations, including NHANES III, GLI 2012, and 2017 DLCO GLI. As well as historic sets like Morris & Polgar, plus many more. This extensive library is easily searchable by Module Name or Author.

Reference modules are completely customizable

Clinicians know that not all reference sets represent all patients. And, ATS/ERS guidelines state that the ideal reference set comes from a normal population, most closely matching the population being tested.

So, the SentrySuite Predicted Value Generator offers a completely customizable way to create your own unique reference modules and equations for any parameter and reference modules, using standard, dynamic, or natural logarithmic distribution.

All parameters are included in a single module, ensuring no extra steps when patients arrive for testing.

Pre-test your reference equations to determine if your customized ranges meet your lab and patient needs.

SentrySuite provides access to patient data for clinical research.

Access lung function data for clinical research and statistics using the Sentry Data Cube. This query tool provides easy access to your patient database.

- Direct output into spreadsheet software such as Microsoft Excel®
- Benefit from various table configurations
- Customize query and output tables
Secure connectivity. The power of SentrySuite changes everything, by changing nothing on your end.

The SentrySuite software platform seamlessly connects with your existing network and clinical infrastructures, making data transfer to and from the EMR that much easier. Plus, our security features help ensure that your patient data remains protected. Our experienced IT project management team will perform an assessment to ensure that your existing systems coalesce with ours. And, they’ll be there for you every step of the way.