

Vyntus® SPIRO

Powered by SentrySuite™



With the introduction of Vyntus SPIRO the experts behind the well-established JAEGER® brand went beyond diagnostic screening. The SentrySuite software has been designed to advance the experience of lung function testing for both the patient and operator and therefore improve the quality of the clinical findings.

EFFECTIVE – choice of 10 animated incentives to focus the patients' attention

RELIABLE – validated flow sensing principle that is also used for high-end lung function testing

EFFICIENT – compatible with patient data management systems; GDT, CIS and HIS

VERSATILE – with interpretation assistance, disease classification, Bronchial Challenge and Report Designer



CareFusion



Vyntus SPIRO turns any PC into a precision spirometer

The versatile Vyntus SPIRO works with both a stationary PC to comfortably test subjects in your practice, clinic or hospital, and a compact notebook turning it into a portable spirometry station for field testing at e.g. schools and occupational health settings. All measurement programs are now powered by the new SentrySuite platform with optimized ease-of-use, flexibility and quality control.

Vyntus SPIRO performs all of the essential spirometry tests:

- Flow/Volume-loop (FVC).
- Slow Vital Capacity (SVC).
- Maximum Voluntary Ventilation (MVV).
- Pre and Post medication testing or therapy control.
- Bronchial Challenge testing program.

Including the necessary reporting tools:

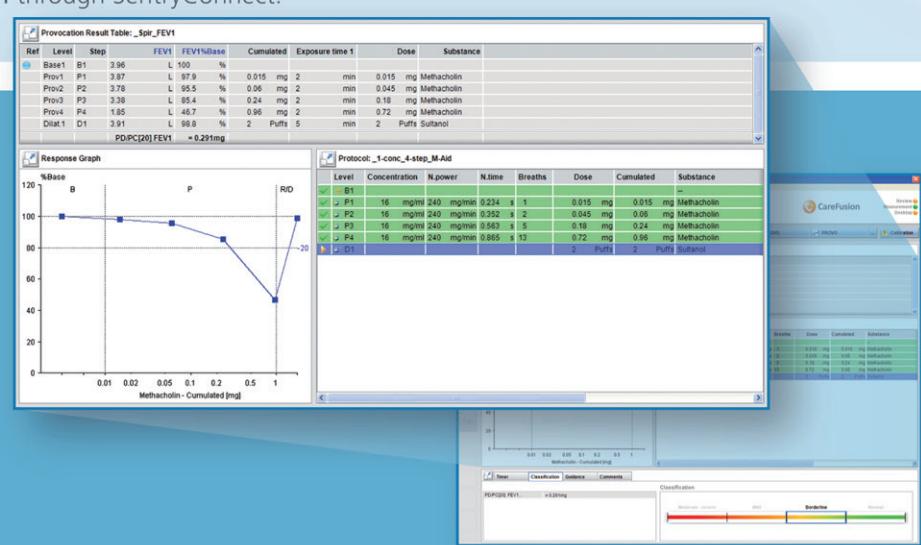
- Report Designer for customizing reports.
- Multi-format report output; PDF, TIF, JPG or RTF.

Optionally expandable with:

- Questionnaire Designer to create patient questionnaires.
- Patient questionnaire app for tablet.
- Networking with view and report stations, and various SQL server configurations.
- Web-based access and review of patient data through Sentry.NET.
- EMR, CIS and HIS data integration through SentryConnect.



- **Bronchial Challenge** testing program for software controlled, accurate and safe bronchial provocation testing, user guidance throughout the entire protocol, subject's response is monitored and software triggers for "proceed with next step" or flags for "pre-set provocation level has been achieved".



Featuring SentrySuite™

SentrySuite is your powerful assistant who will guide and coach you from calibration to test completion and report generation.

Standards that matter

- Recommendations drive quality control prior, during and after every test to optimize clinical output; for system performance, within test and between test repeatability based on ATS/ERS or other authors.

- Intuitive animated calibration program to ensure measurement quality.

- Calibration and verification data log, stored and reportable as per ATS/ERS recommendations.(1)

- Colour coded repeatability graph for direct, visual feedback on test quality.

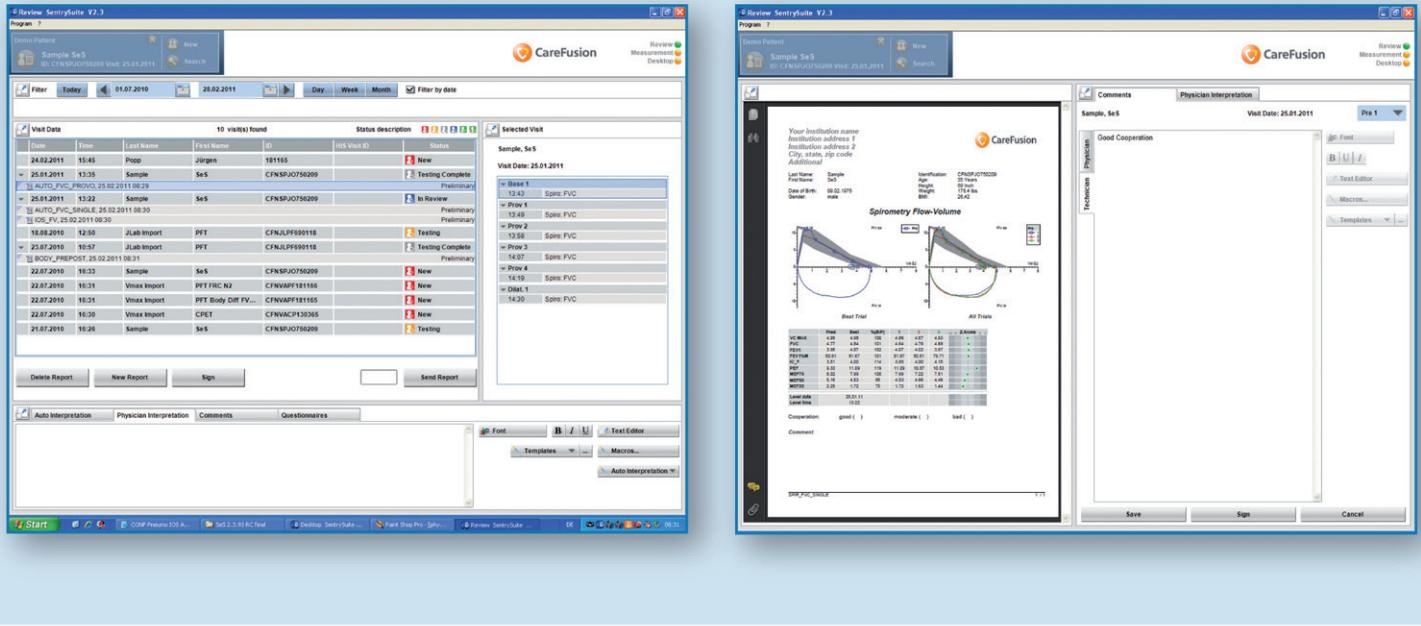
Fun and learning

- Textual and animated tools provide invaluable 'hands-on' guidance to assist operator and coach patient.

- Choice of 10 user definable animated incentives to entertain and coach patients in all age ranges.

Optimising workflow

- The Review program holds all tools to efficiently complete the test procedure; quick filters to effectively sort visits, pre-set text macro's and templates, direct short-cuts to the measurements and split-screen display of report and interpretation tools.



Flexible in all dimensions

- Auto Report selects automatically the relevant report to test procedure.
- Modify an existing report or generate a new one, i.e. layout, style, font size and colour are free formattable.
- Trending of all parameters and SQL export, ideal for clinical trials.



Patient continuum of care

- Import data from our Micro Medical spiroimeters to follow patients at home and complete their clinical picture.



Just a few of the many benefits for you:

- Stationary and portable modalities for a broad range of testing environments and conditions.
- No warm-up time required.
- No consumables necessary.
- Colour-coded repeatability graph based on ATS/ERS standards.
- Automated SVC and FVC maneuver detection for non-cooperative or anxious subjects.
- Interactive animated calibration program.⁽¹⁾
- 10 parameter-linked – animated incentives.
- Broad choice of authors for reference equations such as GLI, ECCS and NHANES.
- Choice of numerical and graphical standard scores; Z-score, Standard Deviation.
- Multi-lingual software.
- Customizable reference modules and equations.
- Manual entry of data from other PFT devices, blood gas analysers and 6-min walk test data.
- Unlimited data storage.
- Integrated daily back-up feature.
- Comprehensive on-line tutorial.
- Data and diagnostic platform compatibility with JAEGER® MasterScope, MasterScreen and Oxycon, SensorMedics® Vmax Encore, Vyntus® and Micro Medical instruments.
- Tested for Windows® 8 compatibility.
- Direct PC connection through USB interface keeping the system compact.

(1) "Daily calibration checking is highly recommended so that the onset of a problem can be determined within 1 day."
"...a log of calibration results is maintained."; Series ATS/ERS task force: STANDARDISATION OF LUNG FUNCTION TESTING.

Ideal for:

pulmonary diagnostics, respiratory care departments, clinical labs, pediatrics, allergy labs, occupational medicine, pulmonary rehabilitation centers, physiology and research, etc.

The heart of the system, the JAEGER flow and volume transducer

The reliable, well proven, accurate JAEGER pneumotach has been selected as the measurement device of choice in hundreds of publications. Its excellent dynamic range allows for testing a broad population, from small children to athletes. Thousands of PFT labs depend daily on its high performance. The pneumotach, which is easy to disassemble, complements with the validated MicroGard® II bacterial/viral filter for a comprehensive hygiene concept.



The "CareFusion Experience"

CareFusion's Respiratory Diagnostics division is active in over 120 countries and headquartered in the USA and Germany. It is an organization with over 60 years' experience in the field of pulmonary function testing founded on the reputed brands: Godart, Mijnhardt, JAEGER®, Beckman, Gould, Micro Medical, SensorMedics® and VIASYS®.

With over 500 employees at CareFusion RDx, we strive to continue the rich tradition of supplying reliable, professional and accessible cardiopulmonary diagnostic devices and services. Today we expand our offer to you with new diagnostic concepts and future oriented workflow and H-IT solutions. In conjunction with our global support organization we at CareFusion RDx are at your service in almost any country in the world.

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